

<400> 17141

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acatttttgt tcttgagcta gtggttttggg tggttcaagc gccttcctct tgccgtgccg 120
ttgaattctt agtgggtggt ttcacgtttt gactctttgc agcgattctt gcttcaagtt 180
ccagaaatgg gtgtggctca aaacattccc gatgcggagg aggggaacctt ggagattgga 240
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<210> 17142

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700960469H1

<400> 17142

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caaggccaac aattttgaat gctttgaaga tgtagaagg ggatattgag gtcccaccaa 120
ttccagatag gccactgagt catgggaact atgtgttgta cagtgggtgat tgctctggga 180
tgagctcagg atgtggattt gtgagctcat gaaaagttga atgattcata aaatccatcc 240
ttgatgagtt ggacaaga 258

<210> 17143

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700960470H1

<400> 17143

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cacagagact gagattcagt ccgtgtacaa ctatgaaacc actgaacttg ttcacgagaa 180
caagaatggc acttatcagt ggggtgtcaa gcccaaaact gtcaaatatg aatttaaaac 240
caacacccat gtcctaaac t 261

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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960471H1

 <400> 17144

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 tgggttaaag agcatggagc atctcattcg tctcctttct ccttcttctt ctcttcacaa 180
 caaccttaag agtctcaatc tcaaccacct cgactgctcc gaaatcacgc gcttcactgt 240
 ctccaagttc aaacaagtca 260

<210> 17145
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960437H1

 <400> 17145

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 ttcgtagctg atggagtgtt cttcgctgaa ctgaacgagg ttctgacaag ggagttagcc 180
 gaggacggat actccggcgt ggaagttagg gttacgccga tgcgcaccga aatcatcatc 240
 agagccacca gaaccaagc cggt 264

<210> 17146
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960404H1

 <400> 17146

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 tagaactcat cggagaatgg gaattgaact ggtataaggt gcttcccga aaattgtgtg 120
 ctactaccac tatgctacaa ggccatcatt ggcacatata tcagttgttt tacttgatt 180

catggtgtat agtagtcagc atgttataat ttttttctga aaggtaatta ttactctgtg 240
gcagtcattg ctttgtgatc ccaa 264

<210> 17147
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700960406H1

<400> 17147

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catggacaga gttcgattta taaaatagct ggagcaatac caagtttgat ttatattata 180
gcttagagaa attagatcat cacatgtcta gattgatgat gtggttatat ctgctatggt 240
ttcttttatgc cataagaaat atgatttgtg 270

<210> 17148
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700960407H1

<400> 17148

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acaaggctcta tatcacggtg caattggctg attcaaaaaa tgccaagggtg gatcttacac 180
cagatggtat ttttaccttc tctggtagtg ctggtgctga agaccatcag tatgagctaa 240
aactggagct ctttgacaag gttaatg 267

<210> 17149
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700960408H1

<400> 17149

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700960411H1

 <400> 17152

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 tctgaaggct tggatctgga tatcttcttt gcttctttgc tatggaagac tcggattcag 180
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 aacttgaaag ttatcgggct gtta 264

<210> 17153
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960412H1

 <400> 17153

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 ttcatgtccc tctaactcga ccacctttgt gtatgttctt cttcttcttc ttcagatagc 120
 tccaccccat cttagattca cactcacatt ttccacacat gggaaatattg tgttacttat 180
 atagacactt gcttttgctg acacccccaa gattcggggg tctcaaagat ctggcctttt 240
 gggtttgctc ccttgt 256

<210> 17154
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960415H1

 <400> 17154

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 aatgttcaag agcaggtcta acatcagagg aaggggccaa tcggctccaa gtctttggag 120
 caaaciaaatt ggaagagaaa aaagagagca agtttttgaa gttcttgggc tttatgtgga 180
 accccttgct ttgggtcatg gaagctgctg ccataatggc cattgctttg gcaaacggag 240

gaggaaggcc accgattgg cag

263

<210> 17155

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700960417H1

<400> 17155

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acatgggaac ctctgcgaac gctgtcgag gtggtcgtgg cggcgccct gtccccaag 120

acgtcgacta cgctaattac ttctgcacct atgctttcct ctaccatcag aaggagatgc 180

tctccgaccg cgttcgcatg gacgcttact tcgacgccat ttttcaaac aaacgccact 240

tcgctggcaa gactgttttg gatgtgggga ctggaagt 278

<210> 17156

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700960418H1

<400> 17156

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tgaatttgct acgctggacg tccttctgaa aagccctcag gccaggttt gtgctgagga 120

cattgccata tgggcgaaga aatatatctc acttcgaggt catgaattct catattgagt 180

aggatatagc agatgatggt tgacaggaag atatttacc accccaacta caaaattagc 240

ttcagatcac tcttttgctg ctattgcatg gg 272

<210> 17157

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700960419H1

<400> 17157

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gccaaatgga gaagaacaag tgaaggacaa caacaacaac aacttatacg acgccgttca 120
gcgtctgac ttggaacctt ccaagatcaa ggctccctc atccctctct tccccgaagc 180
ttctagaacc tactctcgcc aactcctcca ctgggtcccg caaggttctc cctccgacg 240
catcctcttc atctccattg ggatagttg 269

<210> 17158
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700960420H1

<400> 17158

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aagtatttct tcagcaaggc tcatgatggg aagaaaacta ttgaatttgc catgatatga 120
ttggtgactg tatctatgaa tatttggttt tgactaagtc taatgacatc gtgggctcta 180
tgtagccgac ctacttaat agaataaggc ttctgtaatt gtatgatttg tgctcattgt 240
tggcagtatt taaggtgttt gaaatcca 268

<210> 17159
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700960422H1

<400> 17159

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cgcacgcacg aggccatgtc gggattcaga gacactcacg gttttgctcg tccaatcctc 120
gctgtgaatc tcgctctcgc tcttctccac gccgccgttg cgagcctcgc gttctttcag 180
ttgctgagaa ttcacatgag gaatgcgcag ttggttggac tcggcaaaag gtgttccatg 240
tattgattgg ctcttcta at ttgg 264

<210> 17160
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700960424H1

<400> 17160

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agaatcgggt cttgtctcgt tttatttcag ataagaaagt cttagattca gattcagttg 120
ttgacgcttt gattcggtttt cttctaatta gatttgcgag tatagggtgaa gccctagggtc 180
ttatggatag gtagtgagtt ttgttggtga agaagaagaa gaaaatgtct gtggaaaggt 240
cgtttgaggc atgggaagag gtgca 265

<210> 17161

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700960425H1

<400> 17161

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ggataagaat gacggtgtgc gcggtgcgcc ttccctcac acacactccc tcctaattgc 120
gatttaataa atccacctca ctccttcac c attgaatga ttctatcttc caatggatcc 180
tcctctcatc actgactcca cattgtgccc cgcttactct ctgccgaga tttggcccgg 240
aa 242

<210> 17162

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700960426H1

<400> 17162

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gcttcctga cgaatgaatg caggctctta tcaccttact ggactaatac acgtctcaga 120
agtgtcatgg gatctaattc aggatgtcag agatatttta aaagtaggtg atgaagttag 180
ggccaaagtt gttggtattg attggggaaa atcaaggatt aacctatcaa ttagacagct 240
agaagaagat ccactcttag aaa 263

<210> 17163
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960429H1

<400> 17163

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 gaaggctgtg gcagttcttg gcagcagcga ggggtgcact ggaactatatt tcttcactca 120
 ggaggggaaat ggtccaacca ccgtaactgg atctctggct ggtcttaagc ctgggtctcca 180
 tggcttccat gtccatgcct tgggggacac taccaatggg tgctgtcaa ctggagcgca 240
 tttcaatcct aataacaac 259

<210> 17164
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960431H1

<400> 17164

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 gcaaaggcag agaagaagcc ggcggagaag aagccagcgg cggagaaggc accggcggag 120
 aagaagccga agcgtagaag aagatctcga aggaaggagg gagcgagaag aagaagaagc 180
 gcacgaagaa gagcgtggag acctacaaga tctacatctt caaggtcctc aagcaggttc 240
 accccgacat tgggtatttcc agc 263

<210> 17165
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960432H1

<400> 17165

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 tcccgtcatg gttcaaagtc ccgagatgga gacaaggaca gaagctctgg gggcattagg 120

gataggaaga gggatagga cagagatcat gagaacaagg ataggaagag agaccatggg 180
gacaaggatg tgaagagaga tagggagaga gacagagacc acggtcgtga ccaagaaagg 240
gacagaaggg accgtgggag tgag 264

<210> 17166
<211> 92
<212> DNA
<213> Glycine max

<223> Clone ID: 700960433H1

<400> 17166

gaagttttta tagctcggaa caatcagatg gatgcaatcc aaaccgataa aatctatgtt 60
gctgttgggg atgatgtgca cgatggatat aa 92

<210> 17167
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700960434H1

<400> 17167

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tcttgcattc aggtttttgc aatactcccc aagtctccga tgcactgcgc ttgaagcatg 120
tgcacatcct ttctttgatg aacttcgaga acccaatgct cgcctgccaa atggtcgtcc 180
atttcctcct ttatttaact tcaagcagga attatccgaa gcttctccag agcttgtgaa 240
caaagtgata cctgaccaca tgaagcggca aa 272

<210> 17168
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700960435H1

<400> 17168

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tagttgactt atttttaacc ttgttcctgt gagaaaacat atttagccta tgacttttgg 180
 cagtttgagg attctgaagc tgataccatg ccacagattc aatcatttgg gtcttttttt 240
 gttgaagtta aattgtctta ttgcgtg 267

<210> 17169
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960436H1
 <400> 17169

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 tacacagaga ctgagattca gtccgtgtac aactatgaaa cactgaact tgttcacgag 180
 aacaagaatg gcacttatca gtgggttgtc aagcccaaaa ctgtcaaata tgaatttaag 240
 accaacaccc atgtccctaa actagggg 268

<210> 17170
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960403H1
 <400> 17170

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 tgccctcgtg cttttttctt ctttgcttgc caaaaatctt acacacacag gtatctagca 180
 aatgggttct caccagcaag aacctgggt attggagaat gggaaaccga ggggtgttgac 240
 caaggagaat aggcattggcc gttctgcaca c 271

<210> 17171
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960363H1

0959113-03200

<400> 17171

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 tgtttcatgt ggatgaattt agagcactgc gttgtattgc tgtgctgtgc ctttttttag 180
 ggatttctcc aagtcaattg gttaaagctt gaatagtcaa tgaaataaga ctctgtactc 240
 tggccttaaa 250

<210> 17172

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700960364H1

<400> 17172

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 ccaccatgtc gtggctcctc cgatccacca agtcaaaact cctctcttcc tcattctcac 120
 tttctagaac cttccctctt ctctcacgct ccggccccac atttgacctc cctcagatcg 180
 gagccatctc tccctctccc gatctcttcc accgcaacac cgctaccatg cctttcgcaa 240
 aggaaaacgc tt 252

<210> 17173

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700960366H1

<400> 17173

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 ggttggtgaa gtttcgactt ccaaaactgg aaagcacggt cagccaagt gccatttgt 180
 tggattgat attttcactg ccaagaaact tgaggatatt gtgccctctt ctcaactg 240
 tgatgttcct catg 254

<210> 17174
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960368H1

<400> 17174

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 ggtgtttgtc atcgtgacat caaaccccag aacctattgg taaatccgca gacacatcag 180
 ttaaagatat gtgattttgg gagcgcaaag gtgttggttc ctggtgaacc caacatatcg 240
 tacatttgc 249

<210> 17175
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960369H1

<400> 17175

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<210> 17176
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960370H1

<400> 17176

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 ctttataatc tgggatgaaa tctttttcatc agataatagt aaattggaaa aacatgcaga 120
 ggacaatgca gactctgggt ttaggatctt caattcgtct cgcggagcat ttatctcagc 180
 tatggctgta gcaatgatgc ttcataataag atcttcgtta cttgcagctg aaaatcctac 240
 aacctgt 247

<210> 17177
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960371H1

 <400> 17177

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 atgtactaca acccttttgg agtcgctttg ttaatttttt cccctatgg atgcctccaa 180
 acatgataac tcttatggga tttatgttct tactactgtc tgcattgctt gggtatatat 240
 actccccaca a 251

<210> 17178
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960372H1

 <400> 17178

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 cagccgagta tgctggcgct caagttgatt ttgccctaa ttttgagatg ggtgtctcca 180
 ataaaactcc tgaatttctc aagatcaatc ctattggcaa gggtcctgtg ctggaaacct 240
 ccgatgggcc aa 252

<210> 17179
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960373H1

 <400> 17179

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 agcctaaaaa atccaaggaa acgggatcaa ttcttgagaa tggtcgttgg aaagcattg 120
 gagttctttt cactgtctgg gtccttatac ttgcctccga gattgcaaaa agtcacacaa 180

gttcgtccct caccaatagg tgctgattat gaacagaagc acggcaaagt gagctccagt 60
cctgaaattg gtgaattcca tgg 83

<210> 17183
<211> 249
<212> DNA
<213> Glycine max
<223> Clone ID: 700960379H1
<400> 17183

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taatatagaa tatggtcctt agttttgctg gtttaactta aaccttggtc ttagaatttg 120
tgatccccgc agaattattgt gtaatcagac tagtcactaa tctctttggt tgacaataat 180
agtcaaaata ccagtgattg ttgcacagaa aatttgccca tgtatttata cctcagccca 240
ccatgaaat 249

<210> 17184
<211> 249
<212> DNA
<213> Glycine max
<223> Clone ID: 700960380H1
<400> 17184

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gacgacaact tcaagggcac ccggtgggccc gtctcctcg ccggttccaa tggttactgg 180
aattacagac atcaggctga tgtttgtcac gcctatcaaa tattgaggaa aggtggtctg 240
aaagaagaa 249

<210> 17185
<211> 249
<212> DNA
<213> Glycine max
<223> Clone ID: 700960383H1
<400> 17185

002220" EFFE560

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 cactgctctt ctctctaccc ctccgaaacc cgaccgaaa atgcatcca aatcgatcc 120
 cccggtgccc cctccctcct cctccggcgg aagcgactcc tctccggcg catccatcga 180
 tccgatcttc cacctcctcc gcgtcctccc ctccagcttc ctcgcccc ctcgcctccg 240
 cctcaagct 249

<210> 17186
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960385H1

<400> 17186

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 cgtcgaggag gacgtcgcca gatccagatc tgtttactgt gatcagtgcc gagttttcgg 180
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<210> 17187
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960386H1

<400> 17187

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 cctactcttg cgtcggtgtg tggcaacatg accgcgttga aatcatcgcc aacgaccaag 180
 ggaacagaac cacgccgtct tacgtcggat tcaactgacac cgagcgtctc atcggtgatg 240
 cggccaag 248

<210> 17188
 <211> 249
 <212> DNA
 <213> Glycine max

SECRET

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actacttggg	caacccaagc	cttggtccacg	cctagagcat	cctcgccatc	tggggccaccc	180
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<223> Clone ID: 700960389H1

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tggccttggt	aaaaattctc	attctctgaa	gaagggctgt	gattgttttag	gctatatcaa	180
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<223> Clone ID: 700960392H1

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actgacaaag aagaagttta cttgaatctt gtacttgaat atgttcctga aactgtgaat	180
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<223> Clone ID: 700960393H1

<400> 17191

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 gctatgctcc ttctgtttcg gccacaactg aaatttcagg gattgagttg accccagatg 180
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<210> 17192
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960394H1

<400> 17192

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<210> 17193
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<223> Clone ID: 700960395H1

<400> 17193

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tggaag 247

<210> 17194
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<213> Glycine max

<223> Clone ID: 700960396H1

<400> 17194

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tatggtgccc gtactccgga ggtgaaatgc gcaagttgga ggcttgctgt ggaagcacac 180
aacatctttg gctttgagac cattcctgaa gagtgcgttg aagcaacaaa ggaatacatc 240
catggcg 247

<210> 17195
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700960361H1

<400> 17195

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aaccagtacc ataacaaaag aacaattgga gattaacatg ggaggggtca cagtagaaga 180
ggcacttagt actcagagat tattcatatt agattaccaa gatgctatta agacatgggt 240
tcatgaata 249

<210> 17196
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700960401H1

[illegible]

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<210>	17200
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<212>	DNA
<213>	Glycine max.

<400>	17200
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<210>	17201
<211>	259
<212>	DNA
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<400>	17201
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7522

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gacgattcgc gttcgaggaa gaagagaagg aagggttctg ctggttcttc gaggaaatca 240
tatagcgaga gt 252

<210> 17205
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700960338H1

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ttgaaggaag agattgaaaa aaaagggggg atacccagat aattaattcg gtgaaatttc 180
ggattttgat tagtgggtgt ttctcttttc gtgtttttat tacctcagtg cgtgaaggaa 240
ggggaaggg 249

<210> 17206
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700960339H1

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cagctccctc ggctaccgcg ccgtcgctcc cgatctccgt ggctacggtg acaccgaagc 180
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tgactctctg ggtgtc 256

<210> 17207
<211> 256

tccaattaaa 250

<210> 17210
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700960344H1

<400> 17210

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cagtgtttga gagggatagg agaagggaaa aggaaagaga tagaagtagg gacagaacaa 120
taggtggcaa gagagataga gacccggaga atgaaagga tgataagaat cgggaaaggc 180
gagatgatag atatgggcac aaagatagag aactgcaaa tggtaaggat aggcacatctgc 240
gtcatgagga t 251

<210> 17211
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700960346H1

<400> 17211

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agaagaaacc tcaccccctg gaagatgacg ctctattgt cgaagacgac aaggacgatg 180
acaaagacga aaccgaagac gaggacgagg acgacgatga caaggaagat gacgccaag 240
gtgctgct 248

<210> 17212
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700960347H1

<400> 17212

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 tgtcattctg taccgaagta gaagatgtca tctcaatgag tttgacagt gttacttctc 240
 ttcttgagaa ata 253

<210> 17213
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960348H1

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 gcgtctctga ggagtggagc ttcttcgttg ttgaatcgcc tttcgaaatc gcttcttctt 180
 cattccaaca aaaaccctaa tctcaatct cagttattac tcccttctct ctctagactc 240
 cccggtgcga tttc 254

<210> 17214
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960349H1

<400> 17214

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 atccaaccgt gcctcaccgc acggatactt gctgaaccgc gtcgccgagt acgccaccgc 180
 cgcggtgct gctaccactc ccctggatcc tctctctccg gggaagaagg agctcggcgg 240
 cggcggaag a 251

<210> 17215
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960350H1

<400> 17215

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atcttgctac cacgcttgaa cgtattgaga aaaacttcgt cattactgat ccaaggcttc 120
cagacaatcc tataatTTTT gcacggata gcttcttaga gcttacagaa tatagtcgtg 180
aagaaatctt gggaaggaat tgcaggtttc tgcaaggacc tgaaactgat ccagcaactg 240
tgaacaaaat tagag 255

<210> 17216

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700960352H1

<400> 17216

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atgaaatgtg gagggaaatc tgagcgtcaa gaaaggatga tggatctgac agtttacaag 120
tgctgagact ctggatggag aaaacaagta ccgatgtgtc aggtgtaaat cttatgagaa 180
ggccaagaag aaaatgacag ttttggaggc acctaattgtt cttactattg cattaaagag 240
atttcagtcc gg 252

<210> 17217

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700960353H1

<400> 17217

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tttggttttg ggtgtctttg tttcttgtct tcttgcttca ctaaaggggt caactttagc 120
atcttctcgg ccatatcggc attggcaatt ctcttggttg gtgtttcatt cttctcaaac 180
tcagtttgtc aaagaaacca ggttgagaaa aggagttttc caagctgaaa gaagatgaca 240
ttttac 246

[illegible]

<210> 17221
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700960359H1

<400> 17221

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ctcagatcag aaacctcagc cagccatggc agcgttccag aagatcaagg tcgtcaaccc 120
catcgtcgag atggacggag atgaaatgac tagggttatc tggaagtcaa tcaaggacaa 180
gctcattttg cccttcttgg agttggacat caagtattat gacttaggcc ttccttaccg 240
tgatgagac 249

<210> 17222
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700960330H1

<400> 17222

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gagttaagcg gcgaagcaaa cgcagaatcg gcggcagaaa ttgccaccgg aagcacgtcg 180
aagacgggtg aaccaaacac aaaattccat ccaccacttc tcgcttcaat ccccaactca 240
aatctgtgaa gaaaat 256

<210> 17223
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700960360H1

<400> 17223

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ttcactagcc tcttctgcat tctgtgcctt tccacggagg ccagtggatg ttccattcgg 120

cagaaactac gttcccaactt gggcttttga tcacatcaaa tacttcaatg gaggttctga 180
gattcaactt catcttgaca agtacactgg tactggcttc cagtccaaag ggtcataactt 240
gtttg 245

<210> 17224
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700960287H1

<400> 17224

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gggatgtcca tataatccta aacatatgat atctgattgg aacttttttt tcttgattta 180
tctgttctga acttctagat gctaaaaagc gtaagagatg ttcacgacct ctggtattac 240
ataagaaaaa gaggagattg tt 262

<210> 17225
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700960289H1

<400> 17225

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cctgttcctc ccacttttgt gaaaactttc accattgcat cccttcaaca gtatacaaat 120
agcttttctc aagacaatct tatagggtta ggcattgctag ggagtgtgta tagggcagag 180
cttcagatg gaaagatact tgctgtgaag aaactagaca agagagtttc tgatcaccaa 240
acagatgatg agtttcttga attg 264

<210> 17226
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700960292H1

<400> 17226
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aacgcagagt aacaataata acactctggt gtttatccct ctccctcgct gcctcagcgc 120
aacgcggtcg tttcactttc agcgcaattc accgtttgga ttctccagcg ggcatgggca 180
acgcaggagc atgttcatcc aaacgcagcc cagcgcaaat ccctcgtctc tcatgtttta 240
tcccggaag cccgtcatgg aagt 264

<210> 17227
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700960295H1

<400> 17227
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tttccgatca tcaaccccg c tactgaagac atcatagggc atattccagc cgctactaag 180
gaagatgttg accttgcggt ggatgctgct aaaagagcct tttcccataa caaaggcaaa 240
gattggtctt cagctcctgg ctct 264

<210> 17228
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700960302H1

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caacttctct cttttttttc cctccttctt ttcccttttt ctgttggtccg atcttctgcc 180
tcctagatct tgggtatttg gattgatcac ctggagttgg aaatgggttaa aagttatgga 240
gtgttctgat ttgcgaaaga tacc 264

<210> 17229
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700960303H1

<400> 17229

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tattctgctt ctgttggttg ctctactgtt ccatgcgtta tacataagaa aaatacaggg 120
gaagaagaaa aatggtgatt ataaaccttg tgaagaagaa gaagaagagc gagagagaag 180
gaatgcgact tgggaaatac gacttgggta gagaacttgg tgagggcaat tttggcaaag 240
tcaagttcgc taggaacact 260

<210> 17230
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700960304H1

<400> 17230

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gggtttgggt ctgggtcttc agcttcaact tcaacaacaa caaaaaacat gctatgggta 180
cccaacaaca gccacagcca cagcttcagg ttcagcctca gcagtcgaca ccaccctctt 240
cacaagatga ggccttgaa 259

<210> 17231
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<213> Glycine max

<223> Clone ID: 700960305H1

<400> 17231

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gatctgtcgg cggcgtgaca ggcattcacg gcggaggtgg cggaggagga gtacgttgcc 120
ggaggggaagg aggagaaggg gaaggggaag gagggagtgc cgggtgtttgt gatgatgcct 180

ggctgcagca ta

132

<210> 17235
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960309H1

<400> 17235

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 cgtgaaaagg catcttaccg gtgaatttga gaagaaatac gaaccgacca ttggagtgga 180
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 tgccggacaa gagaagtt 258

<210> 17236
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960310H1

<400> 17236

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 gctgaagaag cagaggaaaa acttgagctc gttctggtgg aggctaaaga ggcaaaagca 180
 gcagaacaaa gagccgttaa agagatgaag attttgtctg aagtgggtag agtcccgtac 240
 tcaaaattca atggcaagat c 261

<210> 17237
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960312H1

<400> 17237

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gttttggtc ttgtccctgc accaagcaag agctgcaaag ttccacaatg tgagtggctt 120
gagagggaaa aagccagttg tagcaaattg gtgcaatttg ttcttgggaa gttgggtggt 180
tgacacgtct tatcctctct atgactcttc aacatgcccc ttcatgtatc ccgagtttga 240
ttgccaaaag 250

<210> 17238
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700960316H1

<400> 17238

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tagatctatt ctggaagaat tttctcagta cttgttcaat gactctcaac atgcaactac 120
ctctgatgaa cagcgtgtga tgtcaagggt gaactcactt tactgccttc tgcagaagga 180
tccttcttca gcagaagaca taaacacaat gacaaaaaat ggcaatagtc tgagagatgc 240
aatgctttg tcaagggtga a 261

<210> 17239
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700960317H1

<400> 17239

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tgggtcgatt cgtggtggag aagaacagcc tgagagtgc atcgccggag aaaataagag 120
ggacacacga cagtgccatt ggcaacttcg gaacacctca atacggtggt agcatggccg 180
ggaacgtaat ttaccctaag gataacaaaa agggttgcaa agagtcgatg agttcgggat 240
ttccttcaaa taacccccgg tgc 263

<210> 17240
<211> 259
<212> DNA
<213> Glycine max

<210> 17243
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700960323H1

<400> 17243

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tggaacttcc attgcttccg ttgccactgc ttgggtcggt ttttccttgc gccatttaca 180
tgacaccaaa gttgatcaaa ggcttcaatc tatcgaaaat tctatgaaaa acaattccaa 240
tctccaacat tcccaaa 257

<210> 17244
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700960324H1

<400> 17244

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gctttcacct ccagttcctc ctaaattatc cgggacagaa agttatttga ttagccatgc 120
tccttttttg aatgtctttc tgggtgggaat ttcattctgta gacagtgttc agatattctc 180
cctacatggc gtggttccac tacttgcagc tgggttaatg ccaatatgcg aagcttttgg 240
atcatctgtt cctaattg 257

<210> 17245
<211> 216
<212> DNA
<213> Glycine max

<223> Clone ID: 700960325H1

<400> 17245

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gccggtcgcg ccgaggggtt cggccgcctc gccattgggt gcctccacgg tcctctctat 120

cagctttgct tacagttcct ataatttttt tttctccatt agattaccaa gctctgcaac 60
 tttgcttctc tccatggagt atcgtctcct acccattttt actttactca atattgcact 120
 ggtggcaacc catgctgctt taccctctga agtttactgg aagtcgggtgc ttcctactac 180
 gccaatgcca aaagccatca ctgatatact ttactctgat tgggtggaag agaaaagcag 240
 ctcaagtcat gttggagggtg g 261

<210> 17249
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960329H1

<400> 17249

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 gtcactctctt accaacaggc ctgcacggag ggttttgacg atgccaaaga cggtgagaag 120
 aagatcaagg agcagttgca gaccagacc ttggacaatg ttcagaaact cactggcatc 180
 acccttgaca ttgtgagttc tttgtccac atcctcgagc agttcggctt aaagtttaat 240
 cttaaaccg catctc 256

<210> 17250
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960258H1

<400> 17250

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 aaaccattcc aagtgggtggg acttagcagc tctatttgatg attctcatat gttacagact 120
 tctcttcttt actagttctc aagttcaagg agagagcatc occattattt cagacactct 180
 atgccaaagag aaccatccaa cagcttgaaa aaagaccctc tttcaggaag atgcatctt 240
 tcccttcaca gaggcataca tccctccat 269

<210> 17251
 <211> 270

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700960259H1
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 ccgccgccga caccaaggtc gattacttga accttccatg tccgattccc ttcgaagagc 180
 tccatcgcca agctatgatg tctttgaagc cagatctttt tgagggcatg cgttttgatt 240
 tcaccaagat gctcaatcag aagttctccc 270

<210> 17252
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 <213> Glycine max
 <223> Clone ID: 700960260H1
 <400> 17252
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 taattacggt aattatttag cattttacat tcacttgctc aaaatcaaac acgctagtaa 180
 tatatatattg agtcagcaac agagcaatta atttccgacg cataatggta gtagtagatt 240
 caaacgtgg 249

<210> 17253
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960261H1
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 ccatccaagt ttttctggaa atgagagctg tgggatgcaa gcccaatatt tgcaccttca 180
 atgcccttat taagatgcat ggcaaccgag gaaagtttgc cgagatgatg aaagtttttg 240

atgatatcaa gctctgcaat tgctcc

266

<210> 17254

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700960262H1

<400> 17254

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cggtggcggg gctactgtgc gccgcggcgg gcgcgtcgtg ggtggaggag gccgcgaacc 120

cgatacgaat ggtggcgggg gtggaggcgg aggtggttcg ggtgataggg cagtgccggc 180

gcgcgctgaa gtctgctagg ttcattgagca ggttcgggaa gagttaccga agcgaggaag 240

agatgaggga gaggtacgag atat 264

<210> 17255

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700960263H1

<400> 17255

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tgatgtgcaa gtttcatcgg tcgatataga caatgcccg gcagggatct gttggggttt 120

ttgttcaacc agttcaagct gaggttctga ttttaaactt tcaaactaat cagtacacct 180

ttcaaagtt cctgaaagag atgagtaaac taaaagttct gacagtcata catcatggtt 240

tccatccttc taaaatgaac aattttga 268

<210> 17256

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700960264H1

<400> 17256

cataaatgtc tttatttgat tagtcagatt tttatttttt tttttgaatg gcctcttggg 60

0022E0"EFFE60

tttgcctctg gatcctgatt ttggggtaca cacaatgtca tacattgctt tctccctttt 120
 ttcttgttct ggaacacgat cacatgtttt tgattgaaaa gtggaagcag tgttagaaaa 180
 tctcatgaga aataacacgg ctctgaaggc agccttgga gttttctcct ttttgaagct 240
 tcttgccgcg gagggagaca aagag 265

<210> 17257
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960265H1

<400> 17257

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 gtcctagtgg acgattcttc aacaccacgg tgctatgtgc gtatgttttt ggcttcttag 120
 aatcagaagt tccaattgaa ttctctcaag ccaagtattt gttcgaagat gtctttctac 180
 ccgtcaatcc acacttttct tccataatgg tgagagatga agaaggagaa atgaaatgga 240
 aaagggtaga ggtgaagttc gaagatcacg ta 272

<210> 17258
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960266H1

<400> 17258

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 catctcactc cattggctgt tacacatctc cttcaacaca ctctcagaag tttgtgcatc 120
 catgacaatt ctcaatgggt ctacgcagtc ttctggagga tcttgccctag aaactaccct 180
 ccacgcaagt gggaaggaca aggggcttat gctagatcaa gaggaacag aaggacttgg 240
 atattggtgt gggaagatgg gttctgc 267

<210> 17259
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960267H1

<400> 17259

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aatattctga aaggtaaaac gatttttggtt tttaatgata atataaccat gaatctaaca 120
tcagatattg aacgctacac atcaaaaata aatcgagcca acgcatttaa ttgtaagtgt 180
cttcatatta cctgtgttct gtcacatctt ttgcataat attggcacta agtctttttt 240
gatagaaatt gtgaagatgt actgttatca 270

<210> 17260

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700960268H1

<400> 17260

ctttggtttc ggagggaaaa ctctaaaacc tcaaaatttt cagtctcaat caacttaaca 60
tctgtgattc caatcgatca cattcaatac cacccttcag gattaggtat taattctgtt 120
cccttaaata aataacatga gcaccacagt gcaaagaact ccaagatcca gtaggcagtc 180
tttatttttc caggatttgg cttcacctgt ttctgcccgt agaggaaaat ttctcagatcc 240
cagtcaggca gctgcagtat cttcactat 269

<210> 17261

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700960270H1

<400> 17261

cttaaagctc atctctctga ggatgccttt gttacttgtg cattactaga catgtatgct 60
aatgtggat gcatggaaca atctcagaac atttttgaca gggtaaaca gaaggatgaa 120
gcagtatgga atgttataat tgcaggatat gggattcatg ggcattgggt gaaggctatt 180
gagctgtttg aattgatgca aaataaaggc ggcagaccag attcttttac atttctggga 240
gtgctaattg cctgtaacca tgctgg 266

<210>	17262
<211>	93
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700960271H1

gttctccac accacacca tgacgtcct cctgctcctt attctcctct gtcacgcggc 60

<210>	17263
<211>	267
<212>	DNA
<213>	Glycine max

attctcataa gagacaatgg ggagcaagtt ggga⁺tgagca attttccata ctattttgga 60

<210>	17264
<211>	267
<212>	DNA
<213>	Glycine max

atTTTggtct gaaaatcgtt gctttgcaga gtataagatc ttgctccac gtctctgatt 60

<210> 17265
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960275H1

<400> 17265

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 caaggaagaa gctcttttct ttttggagag ccacaatttc gacctagacg ctgccgtttc 120
 gactttcctc gacaacgcca acatccccct catcctcttc aacgacgacc ttgccattcc 180
 caacccaac gccgtttccc ctccctcaga ttctcactct ccggacttca acccttctcg 240
 ctgcgcgtct ccgtctcctt cgccac 267

<210> 17266
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960276H1

<400> 17266

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 atccaaactc cctctcttta cccccctc caaacccctc aactccaat tttcatgcct 120
 caactcctcc gtctctctct ccctcgccgc accaactcac gtatctcccc ttgtaacttt 180
 cgtggcccaa acttccgatt gggctcaaca agaagaagaa cagagcctcg ctgaaaccga 240
 agcgggcctg gaaagttggg agcccaac 268

<210> 17267
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960278H1

<400> 17267

cacagttctg tataattctg atgacaatgt cttagttgct gctccaacag gtggcggtaa 60
 gactatatgt gctgagtttg ctattttgag gaatcatcaa aaagggcctg atagtgtcat 120

gcgtgtcgtt tatgttgac ccgttgaagc tcttgtcaag gagcggatc gtgattggga 180
gaggaaattt tgaggtgggc ttaaattgag ggtggttgaa ttgactggag aaactgcgac 240
cgacttgaaa ctgcttgaga aagg 264

<210> 17268
<211> 265
<212> DNA
<213> Glycine max
<223> Clone ID: 700960279H1
<400> 17268

cttttcgtgg ttatcgactc gggctctgtgg ttttactgtt ctaaattttg ataaattaag 60
gcaaagacga tgactaagaa gaagaatccc ctgggtgtta tggatgtgtc gatcgatggg 120
gatcctgttg aaaggatggg ttttgagctt ttctatgatg ttgctcccaa gactgcagaa 180
aactttcgtg cattatgtac aggagaaaaa ggcatcagtc caaatactgg aaaatcactg 240
cactacaagg gttctttctt ccac 265

<210> 17269
<211> 264
<212> DNA
<213> Glycine max
<223> Clone ID: 700960280H1
<400> 17269

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aggccaaatt tttctttttc ttttcctttt tcattattat ttcattttt tttccctttt 120
tcaattcttc aaaaaattct cgcgactaaa ttcacgtcag tacacggaaa cataaaattc 180
agtttttttt tattaataatt tggtggcaaa caaaaacaaa aaaaaaattg aaattttgat 240
ccgtttttgcc gaattggacc gcgc 264

<210> 17270
<211> 269
<212> DNA
<213> Glycine max
<223> Clone ID: 700960281H1

003220 E F F E 50

<400> 17270

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ctttcccttt ctattcactt cccctaccct tccgtgatga tgtagataga gaataaaaag 120
agaccagtgt gcagtgagaa agagattgct cacttcttgt gtgggtttgt tttgttcttt 180
gtgttggaat ttgttcatgg gtgaagaagg agaagaggtg tcaagagaga aggaacaata 240
catgggagtt tatggaaatg agtggttgt 269

<210> 17271

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700960282H1

<400> 17271

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gcactaacta tgtttgattt ggatacccaa caacaaaaag agtggtgtcg tgttgttgta 120
gttaatagta ataggactaa gtaagagtag tggaaaacat gaacaacagc agtggcggag 180
gaggacgagg aactttgatg ggtttgagta atgggtattg tgggaggtcg ccattcacag 240
tgtctcagtg gcaggaactg gagca 265

<210> 17272

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700960283H1

<400> 17272

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atatcatatc aactccaaat gatgaaaaat attgggttgt ttcttcttgt ggtggtggct 120
acttttgtgg tggcagccac agctggtagc ttttaccaag actttgaaat aacatggggg 180
ggtgagcgtg ccaaaatcta tgaaaatgga aatcttctca ccctctccct agacagagcc 240
tctggctctg gctttcgttc caaaa 265

<210> 17273
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700960284H1

<400> 17273

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gcagagactc tcttctgcc a ctactactac ttcttctcgc tctgccttgc tgcgctacgg 120
tggcggcgca ctctgcggg acgtgcttgc tccatttcc tcttctcact tagcagctaa 180
gtcacaggcg ggtgaaaatg acaccaaagc agctagatgg ttttctatta tgagctctga 240
tagatccaca tttgattcc 259

<210> 17274
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700960255H1

<400> 17274

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ctcaatgagt tggccgcaa gaccggtggc gccggcaaag gtcgcaccaa catgcgccgt 120
accgtcaaga gtgctcctca gagcatttgg tatggccctg atcgctccaa gtacctgggt 180
ccattctcag agcagattcc gtcatacctg accggagaat tccccggtga ctacggatgg 240
gacactgctg gactatcagc tgaccggaa a 271

<210> 17275
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 700960231H1

<400> 17275

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attagattct tcaaaacatg accatgcac gcgagtcttg ggcttttgc ttcggcgta 120
tgggcaacat catctcctt ggagtgttcc ttgctccatt gccaacctt taccaaatct 180


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cccttagaaa tctaaaagca aaatttgtcc cttccaaagt attccaacac agagaaggct 60
caaccaccaa catgggaaag aaaatggaag aacatgtatc caaaaggctt gccaaagagg 120
aaagaactaa gctcctcagc gaggttgtgg agctgaagga aaaagaaatc aagcctattg 180
aaaatgagaa agctccagga ggtaaggtaa aactgcatag tcatgtcagt cacaaatcac 240
atgtaaatga aactgttgat aaaaaagcta aggtaaag 278
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<400>	17279
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<210>	17280
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<212>	DNA
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<400>	17280
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<210>	17281
<211>	271
<212>	DNA
<213>	Glycine max

<400> 17281

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 tcagtctcca ctattggagc tgtctacaga gctccactga gcttgaacag ctctgaagct 120
 ggagattcgg ttcccagttc agccttcttt ggcacaagct tgaagaaggt tactgcctca 180
 agggtccta acgtcaagat ttcttctgga agtttcaaaa tcgttgccgc ggagaaagag 240
 attgatgagc aacaacagac aaacaaggac a 271

<210> 17282
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960238H1

<400> 17282

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 ggctagcctc aagggtgcat ttttggctgc agtgctctgc atggttgtgg tgagtgcacc 120
 catggcacat gcagctatca cgtgcgggca ggtgacgaat agcctgatca attgcatcgg 180
 ttacctccag aacggaggaa cgccgccgtc gggatgctgc aacggagtga agagcctcaa 240
 tgccgccgcc aagaccaccg ccgaccgcca ga 272

<210> 17283
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960239H1

<400> 17283

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 tgtggaaact acaagatgct gttgatgaaa ctgagaaaag aaaaaagtca gaagcttctc 120
 aaataaaaat taatgaagag ttggggatga agatcttggga attggaggct gagttacagg 180
 ctgtactttc tgataaacgc aatttggttaa atgcttatga cctgctaaag gctgaaaagg 240
 agtgttcagt gataagcctt gaatgttgta aa 272

<210> 17284
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<212>	DNA
<213>	Glycine max

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gactcactat	acagctccaa	aagatttgta	ttttgtttaa	taaacttagt	aaagtaccat	180
atgatcagca	gttattagta	atttgggtta	gttattgtgc	taatatgcat	cttgcatttt	240
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<210>	17285
<211>	272
<212>	DNA
<213>	Glycine max

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ggaaagttga agttttttgt tgagggtgaaa gtgaaatggt tggcaaggat agtctgaggg    120
ctgaggactt gaacttgtgc tttgagaaac ttatgatggt ggctgggagt gggaacggtg    180
agaaaggggt gaactcgaag gttgggggtga tcaccgagtg gaaggacatt cctgtggagc    240
ttttgatgca gattctgtcc cttgtggatg at                                     272

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<210>	17286
<211>	269
<212>	DNA
<213>	Glycine max

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gttgagctga aacatggagc caatgctgga cttttaaatg cattgaaact tcttcagccg 120
atcaaagaca aatatttctgg tgtgacatat gcagacttat ttcagttggc tagtgctacg 180
gctgtggagg aagctggagg ccccaaatac cctatgaaat atggaagagt ggatgtatct 240

ggacctgaac aatgccctga agaaggag

269

<210> 17287
<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: 700960244H1

<400> 17287

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cgaaaggaac aagtacaacc ctcgaaagtg aattaggaag aaaacacaag gaaggttgat 120
gatcatgaag ttctctttta agttaaatta ttatcatttt gtgcatgctc tctctctctc 180
acttgggtcca caacaattga attgaatgta gtatcattat tcgggtct 228

<210> 17288
<211> 196
<212> DNA
<213> Glycine max

<223> Clone ID: 700960245H1

<400> 17288

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tttccgagtc tgcgtttgtg cttgtttcag agagagagag agagagagag agagagtgtt 120
gatttgtttt ttttttctct tgtttaaatt aaaaaattaa ttcataaagg gttccttccc 180
ttcctttgag acacaa 196

<210> 17289
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700960246H1

<400> 17289

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gatccaccaa ccgttatggc tgccttcagc ggtgatgaaa cggcacggtt tttcggttc 120
cttggcgccg cagctgccct cgtcttctcc tgtatgggag ctgcctatgg cacagcgaag 180

agtggcgtgg gcgtggcttc catgggtgta atgagacctg agctgggtgat gaagtcgatt 240
gttcctgttg tcatggctgg agtttttg 268

<210> 17290
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700960247H1

<400> 17290

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acttgatacc tctgattctt tctttgctta gaattccaca gaatatggag acgctccttt 120
tcaatcactc cccacctttg gaattcaagg gtttgagcca ggaggaggaa gactcattgc 180
tagggcaagt ggaaatatgg agtcctttgg acatgcttca cggactccgt ggccttgaaa 240
gctgtcatag agcttcgtat agcggacat 269

<210> 17291
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700960248H1

<400> 17291

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aataagagga tttccaaggg aaagaagggt ggcaagaaga aagccgctga tccctttgcc 120
aagaaagact ggtacgatat caaggcccct tccctcttcc aggtcaagaa tattggcaaa 180
accctcgtct ctcgtagcca gggaaccaag attgcatccg aaggactcaa acatcggtt 240
tttgaggtct cattggctga tctccaaggg ga 272

<210> 17292
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700960249H1

<400> 17292

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 aacagaaatc gtactgctaa ggccatattg gaccttggtc actctgctga gaataactca 120
 ttatgctatg atcatcttgc attcaggaca tttgggggtga atggttatgg aattgattcc 180
 atggctagtt tttttctgga ttatggctat acacaaaggg aagagttgag gtttccagcc 240
 aaaaagttga gggctttgtg gttttctcct cctg 274

<210> 17293
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960250H1

<400> 17293

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 ttatggctag catgaagggt acatgggtgg ttgtgatcat gtgcatggcc gtggtgggtg 120
 caccgatgat ggcgcaacca tgacatgcaa tgatgtgacg gtgaacatgg cacagtgcct 180
 atcctacctg atgcagggag gaacaccttc aacactttgc tgcagcggag tcaagaacat 240
 tcttggtctt gctgtcacca ccgttgacaa a 271

<210> 17294
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960251H1

<400> 17294

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 gaaggatcag ttaccgaatg tttcttactg cattacgagt cgtcctccat ggcctgaggg 180
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 tgctcttgtt ctctgatgg gaggtggcaa tg 272

<210> 17295
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<212> DNA
<213> Glycine max

<223> Clone ID: 700960252H1

<400> 17295

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gtacatgaaa aaattaagaa ccgtaaaaat gcttcaagtg cggatcaaca gagagataac 120
gctgaagagc ttaaacaaaa agaagttttc ctgagggaca acatttcgat gtggatcgga 180
accggcggat acatagtttt gtcggtgatt tccataattg taatcccttt aatgtttcct 240
cagctgaagt ggttctacgt ggtggtcgc 269

<210> 17296
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700960253H1

<400> 17296

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gattcacgag gagatgcggg ctgccccgcc gccgaaggag aaggcggagg accggtaccg 120
cgacgacgag gacgacgatc ccctggagag ctttctgaag gcgaagaagg atttaggggt 180
gactctcgcg tccgacgcgc tgcacgctgg gtatgattcc gacgaggagg tttatgctgc 240
tgccaaagct gtggatgctg gtatgattga 270

<210> 17297
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700960254H1

<400> 17297

ctgtcatcac atggacttgt ctttctctta ctctgacggg gtccttcctt ttcttcttct 60
ccttcattat ttctctctca ccattctctt cttcttctcc ctttcttaga ttctccctct 120
tttctctctg ccttcgcca tgactgagga taaggagatg tcttctctctg tcaccaatgg 180
acgatgattc cctcactggt cacatcatat ctacaactat tggaggcaaa aatggggaac 240

caaacagact attagttaca tggcagaac

269

<210> 17298
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700960230H1

<400> 17298

gcgacggctg aacctctttg ttctctctgt ctaagaagaa gaagaagaag aagaagaaga 60
agaagaatca aatatacctg agccagacat gtacaggaac gctgcttcac gtcttagggg 120
catcagtgcc cgcttcgtgca gcagcagcag gatacctgcc agtgccagat ttgcaagttc 180
cgttgccaca caacaatctc atgcgccgnt tgggtgggtt atttggatgg ctactggag 240
accgatccag ttctttacca tctctggatt tcccgct 277

<210> 17299
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 700960203H1

<400> 17299

gttactgtgc caacgcattg tgaggccaca agtacctaac acccaactaa gcttttggaa 60
cttagagtta agcagttacc ttctccaac tataatatct caaccaatca aaatcctttt 120
tctcaattct ctctctctct ctctctgact ctctcgacaa taagtgttga ttttttcta 180
aataagttaa agtgtagtta cacctatatt tagtggttta ccacttttgt gtgccagagt 240
tttctgagtc tcataggagg aatatatgac agaagaacaa acca 284

<210> 17300
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 700960205H1

<400> 17300

atgagtgggc attggtgaac aagcagaagc ctatttggat gaggaaacct gaagagatca 60
 caaaagaaga atatgctgct ttctacaaga gtcttaccaa tgattgggaa gagcatttgg 120
 ctgttaagca cttttctggt gagggtcagc tggagttaa ggctgtcttc tttatcccca 180
 agagggcacc ttttgatctt ttgacacta agaagaagcc taacaacatc aaactgtatg 240
 tccgccgtgt tttcatcatg gacaactgtg aggagttgat g 281

<210> 17301
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960206H1

<400> 17301

tagcaaacga tccaaactct tttttcattt gcagcatcaa aatgagtggg agcaacgatg 60
 gtagcggcag ctggagctct aggtttttga aggtggctag tgcagctgcc gctacagccg 120
 ccgttgccgg cggtttatat gccattcttt catcctcaac ctctgctagc tctgagatgg 180
 aagtgccgtt tggcagcgca cggcgtgaga gcaaagaacg tgacgatggg ggctccgggt 240
 ctcatcctcg cgagggtgcc accacgggtca gtcgttggaa 280

<210> 17302
 <211> 74
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960207H1

<400> 17302

ctcgatttga aagtacccaa cacaccacac aaacaaaccc atgtcccccc ttttttttct 60
 tcatatcatt ccac 74

<210> 17303
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960208H1

<400> 17303

ctcgagccga atcggctcga ggttctctta ggtctgggtg tagcaccgat gatgctggaa 60
 actgctctca aactacttca gtatatgggt ctaagcttag ttcattgggtt gagaatagta 120
 gtaattttta acgtgaaagc agtgtttcaa ctggatactc caagcgacca gatgaagttt 180
 gcaaatcaaa tcgtaaaaga cttaaaccag gagagaaccc taggcctagg cctaaagatc 240
 gccaaatgat tcaagatcgt gtgaaagagt tgccgggaaat t 281

<210> 17307
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960212H1

<400> 17307

cacaaatatt gtttttgaaa attgtgatca tcatccaagg gtaaaatgga tttagtttct 60
 gtaggctact gtttgtgata acattgagat atgacatgga aatccctcat ttcctatgaa 120
 ttcataattc tactgtagga gtgtagtgtc caattacgtt ctcttccat ctttaattta 180
 aaaaaaaaaa aacattcttc ttccatcttg attaaaatgc tatatgttgt gacaagttgt 240
 tggctctcac tatgcacctg aaaaacaatg ctatgagatg 280

<210> 17308
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960213H1

<400> 17308

caaaaaagta gccactgccc caacgatccc atttcccttg acttctctac ctgaagctcc 60
 ttgtttcgca taggaggttag ttgaaatgtc cgaggggaaat gcaggggaaag gaaagaaaat 120
 cgccatcatt ggtgtctcaa ccttattgtt ggtggctatg gttgtggcgg tcacaattgg 180
 ggtcaatctc aatgagaatg gttccaacaa tgatatagat gacaacaaga aagatcatgt 240
 tgcttcttcc ataaaagccg tccaaaccct ttgtcatccc 280

<210> 17309
 <211> 279
 <212> DNA

<213> Glycine max

<223> Clone ID: 700960214H1

<400> 17309

atacattaca gcagcaaagg aaggttgtgg taagtaaata gtagtaacct aacccttgcg 60
 tttgcgagtg aggctgaggt tgggttttga aggcaaaggc tgggtgtgtc ccaatccaag 120
 agagaagtaa agtaaagcaa aggaatggcg aacatagaca tcgaagggat cttgaagcag 180
 cagcctgatg atgggcgcgt tccgaagacg aaaatagtgt gtactttggg ccccgcttct 240
 cgatccgtgg aaatgactga gaagcttctt agggctggg 279

<210> 17310

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 700960215H1

<400> 17310

atcgatttcc atacacttca gcacagagca caccgcagtg ggcttcggcc aattcgggag 60
 tacgatccac accaccga 78

<210> 17311

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 700960216H1

<400> 17311

ctctcctcag ttatccctcc aacagaagat agcacatggt tctagttgca agtcatggcg 60
 aggaggaaaa gggggcagaa ggcattgctg ctgttgattt tcgaggtcac cctgtggaca 120
 agacaaaaac tggaggatgg ctagcagcag ggctcatctt aggtactgaa ctggcagaaa 180
 gaatatgtgt aatgggcata agcatgaact tagtgaccta cttgggttga gttttgaatc 240
 tcccttcagc tgattctgcc accatagtta ccaatgtca 279

<210> 17312

<211> 282

<212> DNA

<213> Glycine max
 <223> Clone ID: 700960217H1
 <400> 17312
 attattatattt aaatgggtct cacatttttt gtttgttggtg ttattacttt ctaaaatgag 60
 agaaatcaaaa cctgaaggaa taattttacc aagtttcaaa aattaaacat taataactgc 120
 gaaatttgag ttttaattgat agtcaatttt gattaagaat aattaaaatt cttttatttt 180
 actattggtt ttaatgaaat aaatgagaat tttaatatca ttttaattct taaccagcaa 240
 gattcaaaaag aagaaagatt ataagtactt tgaagaaaaa tt 282

<210> 17313
 <211> 285
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960218H1
 <400> 17313
 ctcgagccgc gttaccttac atattccatt tgtctctgat cttccaacac cttattcctc 60
 acgcgaagag acaaaatgga tcaccatttc acttcagaaa cctctctcat tattcttctc 120
 ctcatcacat ccctctcctc ccttgccacc gccaccaaca tcaatatact ccaccacgac 180
 ctccaatccg acatcaccga attctgcaag aaaaccacca accccgccct ctgtgccgag 240
 accatccatc cccacttcct caagaacaga atcgatgcct tcaag 285

<210> 17314
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960219H1
 <400> 17314
 aaaatgggtt cttctttgtg gactttgtgt ctaattttgg cttcactagc ctcttctgca 60
 ttctgtgcct ttccacggag gccagtggat gttccattcg gcagaaacta cgttccact 120
 tgggcttttg atcacatcaa atacttcaat ggaggttctg agattcaact tcattcttgac 180
 aagtacactg gtactggctt ccagtccaaa gggtcatact tgtttggtca cttcagcatg 240

281

<400> 17315

<400> 17316

<400> 17317

aaagaaaaga aaaaaaacCG aagatgatac acagcgaagg aggggccgct aaaagccaag 60

<223> Clone ID: 700960227H1

<400> 17320

cacatcctca accatggcag caccatcttc agagacaatg tcaccatcat cctcgaacac 60
gcagcttccg ctgaaaccaa tcccaggcag ctacggaatg tcgttttttg gagcaataag 120
cgacagacac aactacttct accaccaagg acgcgacaag ttcttcgcga cgaggattga 180
aaaacacaac tccaccgtga tccgaaccaa catgcctccg gggcccttca tctcctcgga 240
ccctcgtgtc gtgcggttgt tggacggtgc ctccctccc 279

<210> 17321

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700960228H1

<400> 17321

tcttgacaca gttcgttagc cgcaaccctt tggctcctcc ttccactctc actctcactt 60
tgttttcatc gtcctcaacc aacgccatgt gctcttagtt agacctcca gaggttcttc 120
gtagacaaca cagaagaacg atttgttccg ttgttttagt agctcttgaa atgaaaccac 180
aaaccaatgg gatgtctaga gtcataagg caaataataa tacacagttt gaagggccta 240
actggcttat ttttgctgct ggtgctttgt tgagtac 277

<210> 17322

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700960229H1

<400> 17322

ctcatgttga atttggaaag ccgcaaagga atcttcattg ctgcctactc gtgccttgct 60
cttggcttcc ttgggctgac ttggactgct gttgtggaaa gaaacttacg ttcaatattg 120
tttcttgttt gtgcaattat ttgtggctat atatatcagt gtccaccatt gcggttaagc 180
taccaggggc taggagagcc cttgtgcttt gcagcatttg gtcccttttg cacttgctgct 240
ttttatttat tacatgccag tgcaagggtg aagaa 275

<210> 17323
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 700960201H1

<400> 17323

ccgcacagca ctcggaaatt tctggcgatc tctgcgtttt cccctatttt ttctgaatcc 60
cacagaatgg catccaacag ggggtcaagg ggaattcagc agttgttggc tgctgaacaa 120
gaggcacaac ggattgtgaa tgctgcaaaa aatgaaaaat tggctagggt gaaacaggcc 180
aaggaagagg ctgaaaagga gattgctgaa taccgagctc aactagaggc tgagtttcaa 240
aagaaagtgt cagacagtac tggagattct ggagctaattg tc 282

<210> 17324
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700960169H1

<400> 17324

cactattctt cttcgcagca atggcgcgag tggatctgga cgggaacccc atgaaggcac 60
ttacgatctg catgatcggc gctggcggct tcataggctc gcatctctgc gagaagctca 120
tgtccgaaac ccctcacacc gtctctgccc tcgacgtcta caacgacaag atcaaacacc 180
tcctcgaacc ctccgattcc cctggggccg gccgcatcac cttccaccgc ctcaacatct 240
aacacgactc tcgcctcg 258

<210> 17325
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700960170H1

<400> 17325

aatccatca ggtaatttca aagcaatgca tcgacacata tccaaaggta catggacatt 60
ctcaatgcag gatcagggtt ggcaagtctc tgactgcaca gcagaaggat taaaggctgc 120

<400> 17328

gctgacaatt atcatgggttc ctggtggaaa agacatgggtg ttgttcttga tggtagagata 60
gcagctgtgg cttttaagca tggacatttt gatcaagctg caaagtcata tgagaagggtt 120
tgtgcactgt atgctgggtga aggatggcag gatttgttgg ctgaggtcct tccaattta 180
gctgagtgct agaagagtct taatgatcaa gctggctact tattatcttg tgtgagggtta 240
ctttctcttg atgaagg 257

<210> 17329

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700960175H1

<400> 17329

ccctccatcc gtgtgctgct cttatctttc tttttcattg ctttgtcact tttttccttt 60
ggcaatgtcg aagccagtag aaaacttctg gcaccaacat taccgattt ggggaattct 120
cttcctcgcc tgatatttcc tccatttcca ccagtaacgg actggccaga gtatagggtg 180
cctcccccat tgattcgac gcttccaccc ttctcacctc cttcagccac aactaccaat 240
ccttgagttg aatag 255

<210> 17330

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700960176H1

<400> 17330

gttcatcatg atataaaaat aaaaaataaa aaatcatcca gaatcggatt tcagtgaaga 60
aagacccaaa acgatgaaga agggcgaaaa taagggtcgg actcggacct tcccgttga 120
tccgaatgtt ccccgatggg ttgtccagaa ctgccgcaac cctctctgca tcgtaggcgc 180
cgattcttac gccgacaagt tcttcaacga tccttctcgc tacgggatgc aagggtcgtc 240
cattca 246

<210> 17331

002220"CTT560

<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700960177H1

<400> 17331

agggactcgt tgttcttctc ccagggttatt tagaaaagca aaatggtgaa gatttgctgc 60
attggtgctg gatatgtggg gggctctact atggcagtc tgcacttaa gtgcccattc 120
attgaagttg ctgttgttga tatctctaaa tcccgattg cagcctggaa cagtgaccag 180
cttctatct atgaacctgg ccttgatggg gttgtgaagc aatgccgtgg caagaacctc 240
ttcttcagc 249

<210> 17332
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700960178H1

<400> 17332

gtctcagacc ctttctcacc accatcttct ttctcacact cacagtgtc gaaggtttca 60
gcatcactct cagtgatctt ctacaacaag tgccagcacc cagtgtggcc cgggatccag 120
cccagcgcag gaaagcccggt tctggccgcg ggaggcttca agctcgcccc aaaccgggccc 180
tactcctcc agctccccgc tctatgggtcc gggcgcttct ggggcccgcga cggctgttcc 240
ttcgacgccg gcggc 255

<210> 17333
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700960179H1

<400> 17333

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atgggtatcc ctactttct cgttatacca tatccagttc tgggtcatgt gaatcccctt 120
atgcaattgt ctgaggctct aaccaagcat ggctgcaaaa tcacatttct gaacacagag 180

ttcagccaca aaagagcaaa caacgctggt gctgaactag acaaccttaa ggaatcagga 240
atcaagtttg tgac 254

<210> 17334
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700960180H1

<400> 17334

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aatgagttgg tccgcaagac cgggtggcgcc ggcaaaggtc gcaccaacat gcgccgtacc 120
gtcaagagtg ctctcagag catttggtat ggccctgata gtcccaagta cctgggtcca 180
ttctcagagc agattccgta atacctgacc ggagaattcc ccggtgacta cggatgggac 240
actgctggac tatcagct 258

<210> 17335
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700960183H1

<400> 17335

atgggatggc tgcataatgca gatagctggt ggttttgaga aagcaacata attcaaggga 60
gattcatagg gaatgacaga tcaatcagtg tggttggttt tacattgaaa aggaaaaaag 120
tcacttgggc tggttggtta gcatggtctg ctctattaac aacctagtca attgatgcaa 180
aatgttgtaa ggtctgtatg ttctttgtca tagtatgata tcgattgtaa gaaatgcac 240
taatttcctc gcgcac 257

<210> 17336
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700960184H1

<400> 17336

cacagacaca aggttttagtc ttgttaggtt acctctgtga catttgtgct gctagttcat 60
 atatttgcgg ctgacaccga gaaggaaagc aggaaaaaaaa caaaaaggag cagatgggta 120
 gctcaggttt ctcatggaaa ttggcggatc atccaaagct tccaaagggt aagactgtgg 180
 ctgttgtggt attggatggt tggggagagg ccacacccaa tgagtacaac tgcattccaca 240
 aggctgaaac accctgc 257

<210> 17337
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960185H1

<400> 17337

caaatgagaa gtgtgaagat ggtaaaatga tctcaaactc ggaccccgta gaaccagtca 60
 cggcaaccgc cactgccggc gccgacgacg ccaccgtctc aacaaccgcc tcttcttcca 120
 atgaagatca gcctgcaccg ccggcggcac caaacattgt gatgtcctcc aaggatcacg 180
 attctctctt cagcgggtggc ggcattcagct ttctctctgg aagccgaaat ggaaggttca 240
 gctatggata ttccagt 257

<210> 17338
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960186H1

<400> 17338

gggcgatcga ttgttactct ttaagaaaag ggtgccacta tgtttttccc ctttcgcgat 60
 gttggattat gaagactttg cgtcatctgg aaataattgt attgtcattt gaagagaaaag 120
 cgaagagaaa gatatagcct tcatttactt gacttcattc tgattttgcc caagatacat 180
 tacctgtatt tgtatgtaca tctgtatctc tgattgttgg ttttgcattt ttgtgagtgc 240
 tatttgtgtt ttca 254

<210> 17339
 <211> 257
 <212> DNA

agtgagttca agaaag

256

<210> 17342
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700960190H1

<400> 17342

tgatgatgga gatggcgaac gaaacgctgt cgttgctgta ctcgcggcgt tgggtgctact 60
cgcggcgagat gtggcggtgg atgctcagga gaactcggac gtgaagacgc tggatgaagta 120
caagcacggg aagaagtact gcgacaaagg atgggaatgt aagggtggt caatttactg 180
ttgtaacctc accattaccg attatttcca gacctaccag ttcgagaatc tgtttctcaa 240
gcggaactcg cc 252

<210> 17343
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700960191H1

<400> 17343

atttgtttat cctggttggg aagggttctgt caccgactca cgagtgttaa gggcagtcct 60
tgataaccca gatcagaatt tccctcaa atcctcaagga aagtattacc ttgttgacaa 120
gggatattta aatacagaag ggtttattgc tccttaccaa ggggttcggt accagcatta 180
tgagttttaga ggcgctaate aattaccaag aaacgcaaaa gagctgttca atcacaggca 240
ttgttttctg 250

<210> 17344
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700960193H1

<400> 17344

ggctcgagaa ttcaacttaa gagatcaata tagccaccat taccaagcct ctttctaata 60

tatgttttct ccttctgttg cttctagcac acttccatth gggccaaagc caagttgagt 120
tgaattacta ctctaaaagc tgcccaaaag ctgaagagat aatcaaggaa caagtcacac 180
aactatacaa caagcatgga aacactgccg tttcgtgggt cagaaatctc ttccac 236

<210> 17345
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700960194H1

<400> 17345

acgtcgtcca agagcttttc agggacctcc caacgcagct ctcgatcaag cccgatttgg 60
tgacttataa caccatcacc aaggcgtttt gtgaaaaggg ttcgtttgat tggcggttgt 120
cgggtgcttcg ggagattgag gagaaggggt tgagtcctga ttccatcact ttcaaacactt 180
tgcttgatgg gttgtactca aaaggctcgtt ttgaggaggg tgagaagggtg tgggagcaaa 240
tgagtgtgaa t 251

<210> 17346
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700960195H1

<400> 17346

ctcttataac acaacacaac ccatggccac cacctccgca ttctctctcc ttccactcct 60
cctgctgctc cacctcgcca tcgccgtca cggcacggc atcaactacg gcacgctcgg 120
cgacaacctt ccaccgcccg cggcggtggc gaacttctg aagacgaaga cgaccatcga 180
ccgcgtgaag atctacgacg tgaacccgga catcctgcgg gccttcgccg gcagcggcat 240
ctccgtgacg gtgac 255

<210> 17347
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700960196H1

002220 "E" F E 650

<400> 17347

gggagaaagc ctgctgctca aaatgccaaag aaggcacctg ctgctgctgc caggaagaga 60
aacgtagggtg gcaagcaatc tcagtttttg ggtcagaaac tcataactga tatgttggag 120
agtacaggga tatcaccaga gaagaaagtg aggaagatga gggcgtctcc atttaacaag 180
aaaagcagtt ctgtattggg aagggttgct gctgctgaca aagatgaaag tgtaagtaaa 240
gacttgctctg gtgg 254

<210> 17348

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700960168H1

<400> 17348

atttaatttg ccaaccgcgc cagatcgcca ttactacaac aacatagacg agtgcggtgc 60
attccctcgt ttaccatgct ttcctaagag aaagagaaaa gtaaaacccc tcactactga 120
tagattttca ttcctccgag gaaaaaaaaa acatgtcgga tgctttgatc aatggattgg 180
ccggagctgg aggagggatc attgctcagc tcatcacata cccacttcaa actgtaaaca 240
ctcgccaaca aaccgagc 258

<210> 17349

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700960141H1

<400> 17349

gcaacctagc aatggaggcg attaggaaga gtaggattct tatatttgga ggaactgggt 60
acatagggaa gtatatggtg aaggcaagcg tcacgttagg ccatccaact tttgtctaca 120
ctcgccctct tgatgcacaa actccttcct ctaaggcaca gctttgcaag gagttcaact 180
ctatgggggt cacacttgct catggagaac ttgagcatga ccagattctg gcagtgatta 240
aacaagtaga cattgtgata tgttc 265

<210> 17350

<211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960144H1

<400> 17350

cgacgaaatg ccaagcacca ccacctctct cctccgccgc aaccgggtggc tcccctccag 60
 catcaaactg aaaacaaccc ttttctcaga actctccggc gcgggtgggtg acctaggcac 120
 ctacatcccc atagttctag ccttatcctt agtgaacaac ttggacctca ccaccacact 180
 ggtcttcact gctctctaca acatcgccac tgggtctctc ttcggcctcc ccattgccgg 240
 ccagcccatg aagtccat 258

<210> 17351
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960145H1

<400> 17351

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 cggctgacac ccagaaagaa agaaagcagg aaaaaaacia aaaggcgag atgggtagca 120
 caggtttctc atggaaattg gcggatcatc caaagcttcc aaagggttaag actgtggctg 180
 tgggtggtgtt ggatggttgg ggagaggcca caccatga gtacaactgc atccacaagg 240
 ctgaaacacc ctgcatgg 258

<210> 17352
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960146H1

<400> 17352

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 aagttcacag ctgaagagct acgtcgtatt atggactata agcataatat ccgtaatatg 120
 tctgtcattg ctcatgttga tcacggaaaa tcaaccctca ctgattctct tgtggctgct 180

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gaagctgagc gtggtat 257

<210> 17353
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700960147H1

<400> 17353

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ccgattaccc accaactgat atacataacc tcttcacctt tccctccttc cctaatttat 180
cactaaaaaa acaaacaaat aaaaaaaaaag tccactaagt tggggcacgt cacccatctc 240
gcccttcccc tcgctcatct c 261

<210> 17354
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700960148H1

<400> 17354

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gatgctgagg aactcacaca gtggtccttc tacagggtt tgattgctga gttcattgcc 120
acaatgctct tcctttacat cacagtgtc actgtgattg gttacaagag ccagagtgat 180
gtaaaggctg ggggtgatgt gtgtgggtgga gttggcattc ttggcattgc ttgggccttt 240
ggtggcatga tcttcattct ggt 263

<210> 17355
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700960149H1

<400> 17355

261

<400>	17361
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<400>	17362
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ggtgtgagggc cattgagaga ta 262

<400>	17363
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agtggcaccc aaaccaaacg gaacctcgtc ggatacaaaa ttcccaacat atttggtttt 120
 cttcattttc caccttaata ataataataa tacctcctgt tgttggtatt attaataata 180
 tttttctttt ttgggtcggt ttagatttta gaatccttac catgataaaa actcctacaa 240
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<210> 17364
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960159H1
 <400> 17364

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 tttcctttcc ttttctcct tttctcgatc tctccgctcg tcatcatcat cagacccaaa 120
 caaattctct acgcagatcg aatcaaagct cctccatcca attccgagat cagcactggc 180
 gacctttctca gcatcgaacc tctcgaactt aagttcttct ttgagctcaa gaagcagata 240
 tcatgctctc ttatatt 257

<210> 17365
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960160H1
 <400> 17365

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 atcattgtca ccggtaacga tttctcaaca ctctatgcac ctctcatccg tgatgggcgt 120
 atggagaagt tctactgggc accaacaagg gaagaccgca ttggtgtttg caccggaatt 180
 ttccgcactg atggtattcc tgaacaggac attgtcaagc ttgttgacac cttccctggc 240
 caatccattg atttc 255

<210> 17366
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960161H1

<400> 17366

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cgtacaaagc aaactgctcg taagtcaact ggaggaaaag ctcccaggaa gcagcttgca 120
accaaggctg cacgtaagtc tgcaccaaca actggtggtg tgaagaagcc tcatcgttat 180
cgccctggaa ctgttgctct tcgtgagatt aggaaatacc agaagagcac tgagctccta 240
atcaggaagc ttcctt 256

<210> 17367

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700960162H1

<400> 17367

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accctccatc ggacggctca aaaccattct caacatttca ggctctttcc tcccacgttt 120
ggcgccatgt aagccatgca cgtaacttga agccggagga ttataccgtg ttcaccgtct 180
ttgccgattg ccggaagcgg gtggaccgcg caatgccgga gacttatttc ggaaacttaa 240
ttcaggctat ttttaccg 258

<210> 17368

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700960163H1

<400> 17368

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gctaagaatt aatcaaaccg gaaattacat aaaagctaaa aaatcatgca tacaatttct 120
agagggttgt ggctttttca gacaatagta gcagaaacaa gtgcctctga gatgcatttt 180
ctttgagatg cattttatat ttttagtgca tagcttgctc aaaagtatgg aagctaaatt 240
ggattatcat tttctcagct 260

<210> 17369
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960164H1

<400> 17369

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 aaacgagtct tgagtcgaat caagtgctgg tttctatcac actcgcaaca tctgaatttc 120
 ttactatttc tagtgcttgc ttcggttcca aatcctctat ttgaccttgc tggcattatg 180
 tgtggacaat ttggcattcc attttggaat tttttcttg caaccttgat tggaaaggca 240
 atcattaataa ctcacataca ga 262

<210> 17370
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960165H1

<400> 17370

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 aaaggcacgt gccgttggtg accctcgtga ggcggattag ccctacgaga cgccttgaag 120
 cgcaattccc atcgagcggc gggtagaatc ctttcttgag ccaataaaac aatctctctg 180
 tcttccttg aagaaggaga aatgggggga aattaaaagg gaaaaaggca tataaccgga 240
 aacaatcgcg tttcgaattc aaa 263

<210> 17371
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960167H1

<400> 17371

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 ctcttctttc tttcttccaa cctcttctct tctataacct tcagaaaaga aattaaaaaa 120

<400> 17374

cgaattgtga gagcgtgtgc tttttgcgtt ctctctctaa atccaacgtt tggagtgttt 60
 ctctctcact cctctctgca agatccgcac cccaaaccct agcaaaccct taccacagag 120
 ggagctgtga agaacaacaa cacgcaccgt caccaccacc ctcgctcgct ttttctgac 180
 cagttggact agcttttggg aacaattaca atggcaactt cagagcagca agtccctccc 240
 caaactcctg cagctgatat tgttggaat g 271

<210> 17375

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700960107H1

<400> 17375

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 tcgagaataa tgatacaaag caagctgctg ctgatgtgtt gtttctatat tcaaaatttg 120
 caatggcatg cattggatgt aaggctcgtc catgtgattt gaggtttcat ttgatgaagg 180
 agatttcagg tatgccctct tctctaaata gggagtcacc acagaatgca gcattctctg 240
 atgcaatggg tgagtcatcc agcacaggaa c 271

<210> 17376

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700960110H1

<400> 17376

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 tacttgcctt acctacttca atgcttctca gcaaagaaat ccaaaacctt cgactagatg 120
 ggatccaaag ttccataatg ctctttatgg ggatgccaag agttttgtga gaaaacttct 180
 ttctttctgc tattcgtatg ttcttgagat tatgaaccct catgctaaag tcgtacaaaa 240
 atggaacaaa tttttggcca ttttttg 267

<210> 17377
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960111H1

<400> 17377

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 acctcagctg ctaggactcc attaagattg aatacaaggt tgatcagtca tcagcaggtg 120
 cataaacgac ccataatttt agcttttaaa ggaaataaat cgaataaaaac cacttttggtt 180
 tcacctcagg agaaaattcc tctacccta gaaacagcga agaaacacca gaaaagagta 240
 ggaaagacta gtgagtcact gaagagag 268

<210> 17378
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960112H1

<400> 17378

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 tctgtgttac ctgtgcgcgc ccctattata aatggagctt tctgcatttt ctagctatct 120
 aagcagtttc tgatgcttcc ttgttcccat tttcttcgaa tcaactttgg tgccgatgct 180
 ctcttctctt tcgtcgcgcg gattatggtc tctgttggag tccaagtca aaaccgtgtt 240
 ttcggatcag aatgtgctcg gagaaagctt cgctct 276

<210> 17379
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960114H1

<400> 17379

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 cttatcttct ctcccaaaca tttccaagc cacctctcgt gcccacaaac gcatgttagc 120
 cttggttcaa aaccaaccgc ttgtactaaa ataccacaag ggtcctcttc taaagggcaa 180

catcacctc catttgctat ggtaagggtac atttaccctc acgcaacgat caatagtcac 240
cgatttcctt gaatccctaa cctcc 265

<210> 17380
<211> 104
<212> DNA
<213> Glycine max

<223> Clone ID: 700960115H1

<400> 17380

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tcttgctctg tgctctttcc ttactttat actatttatt tcat 104

<210> 17381
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700960116H1

<400> 17381

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gccaaaaaat caaccaaaga acatcggtga cgtaaatggc tcaaaggggt tagagaagcc 120
tctgtggtat gcgaagacat aaacgtacgc cgagatgatt tttccacagt gattgtgaat 180
cacattcacg gcgagatcaa ggtgggagag gaaggtgtga agggagggat tgcggtcgcc 240
gctagcaacc cagtcggggg tggagttga 269

<210> 17382
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700960117H1

<400> 17382

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accctcttc ttctaatca ttgcatggct cttcactgat tctataataa taatttcaga 120
ttcgtttttc gttttttgtt accatggagt tgatttcagg tctaccagag gacgtagccc 180

gagactgttt gattagggtt ccctatgatc aattcccggc ggttgcttca gtctgcaaag 240
gctggagcgc ggagattcac tcgccggact tt 272

<210> 17383
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700960118H1

<400> 17383

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cggtggctgt gtgccatgca ttaggccacg tgaccagcaa tgtctcattt gctgcagttg 120
ctgtttcttt cactcatacc attaaagctc ttgagccatt cttcaatgct gctgcttcac 180
agttcatact tggccaatca atcccatca ctttgtggct gtcactggct cctgttggtta 240
ttggtgtgtc catggcatct ttgaccgagc 270

<210> 17384
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700960119H1

<400> 17384

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ctagcccagc ggctttctcaa catcacaaaa atctccaatt accgcatttc ctctccgta 120
gtccgttccc cgaacccgac aaaacctgac attgtccgg atcccggaga cagccgcagg 180
ttctccaca agagggcctc cgtgctcccg ccggagctcc gcccgccgct gcccgccggc 240
agctcctcc agaggctccg ggaaatgg 268

<210> 17385
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700960120H1

<400> 17385

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tcaagtttga ggtcttactc agcttccaat tcttacctg ttatggattc ttcttcttct 120
tctaccaggt ttgaaaattt tgtagcttcc ttggttgctc atgtaagtca catataggag 180
caatttgtaa ctgagggttac cgagaattat gagacaacat gctgggggtg tggactgcgt 240
gttttgcttc catcatgtgc atctgcttt 269

<210> 17386
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700960121H1

<400> 17386

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ctggaagaga taccataact tcagctctca cgtgggttctt ttggcttggt gctacaaacc 120
cctcagttga agccaagatt ctcgaagaga tgaaagagaa gcttgggacc aaagaaaagt 180
cgcttgggggt tttaagcgtg gaggaagtga aaaggctggt ttatctgcat ggtgctatat 240
gtgaagcggt gcgtctcttt cctcctata 269

<210> 17387
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700960122H1

<400> 17387

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atttagagga aattagcagc aagttgcctc caaatgcag tggtagtga actgtacgga 120
tggctagatc acttggtgct gctcgtcatg ctggtgagag actattgaga tgttgacgtg 180
gtgggactgg atgggctggt gaagatgcca aggacaaaat catgaagctc ttggaggagt 240
acgagagtgg aggtggttg agtgaag 267

<210> 17388
<211> 268

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700960123H1

 <400> 17388

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 gaagaatacg gaacgaattg ccaatttggc tttagcaggt ttaaccttag cgcctcttgt 180
 tgtgaaagta gatccgaatt taaatgttat tttgactgct tccctcactg tgtttgtggg 240
 ctgttaccgc tccgttaaac caacccca 268

<210> 17389
 <211> 268
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960125H1

 <400> 17389

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 gaaaaagctc aagtcacaga tttaaactct gtaagcttat cagagccacc agtattgagc 120
 caaggctcaa ccgagcaatt agcactgaaa aacaaggctc ccagatggca tgagcagcta 180
 cagtgctggg gtctaaactt caagggtcgc gtttcagtgg cttctgttaa gaactttcaa 240
 cttgtagctg ctgttgatcc atctcata 268

<210> 17390
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960129H1

 <400> 17390

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 agagcatgtg ctcaactgtt tagaaaaact atttgagct ggtggcatca tgaaaaatca 120
 tgatggggat tcatgtaatt tgcagcctac caatagaaca aatcaaaatc aaaattccag 180
 acaaaggccg agattatctc ctacagatgc atgtcgccct agtaaccgtg gatctacata 240

cagtgaagcc ttacaagtat a

261

<210> 17391
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700960130H1

<400> 17391

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gcgacgggtcc tccgccctag atcccacctc cgacgccctt ccaaggaaac aagctgtcaa 120
gaaagatgtg ttccgggtgt ttgctgagaa ggtagagac cataaagaat tggtttcaag 180
atgggctgtt ctacaggaga cgcgtgttga gtattttaga gggaaggatt tcgtgagctt 240
cttaaaaagc catccggagc tca 263

<210> 17392
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700960131H1

<400> 17392

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gaacgaaacg ctgtcgttgc gccaatcgcg gcgttgttgt tgggtggtgct actcgcggcg 120
agtgtggtgg tggaggctca ggagaactcg gacgtgaaga cgctggtgaa gcacatgcac 180
gggaagaagt actgcgacaa aggatgggaa tgtaagggtt ggtcaattta ctgttgtaac 240
ctcactatta ctgattatct ccag 264

<210> 17393
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700960132H1

<400> 17393

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gtcgtgggag gaactgacgc tgaaagtgaa atggagcggc aacgaataca ccgtccgcgt 120
 ctgctgcgac gacaccgtgg gcgaactcaa acgtcgaatc tgcgagctaa ccaacgtctt 180
 accccttcgc cagaagctct tgtaccctaa actcgtttcc aaactcagcg acgacctctt 240
 cttcctctcc cagcttcccc tcaactcc 268

<210> 17394
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960133H1

<400> 17394

gtgatttaag agtgatcaat aaggaaccct cggaatacc agggaaagt tgttattatt 60
 actagtttca cttgtggatt tatcgtagca taatgttgta caagaataat ttaatatgaa 120
 caagatcgtg tgtttgtt 138

<210> 17395
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960134H1

<400> 17395

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 acagtgccac atgatacata cgtttatttc atggatcttt tggcaaagac tgtcagagat 120
 gaaatagcag gttgcagtga gaaggcctat gactatcttt caattaagga tgccaagcaa 180
 atgttgctgt tctcctcaga ccaggaactc ctggaatata ttaaagagga gcacccctgag 240
 tgggagatta agaatgatag tgtctttt 268

<210> 17396
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960136H1

<400> 17396

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 ccggcctgag aggttcttcg aggaggagtc gcttgttgaa gccaatggca atgacttttag 120
 gtaccttccc tttggtgttg gcagaagaag ctgccttgga atcattcttg cattgccaat 180
 tcttggcatc actttgggac gtttgggtcca aaactttgag ctcttgcttc cccttgacca 240
 gtcacagatt gacactagtg agaaa 265

<210> 17397
 <211> 151
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960093H1
 <400> 17397

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 cgtgaccggc gatcttaatc tcgccggaaa attgccctac gctcgccgga atctccaact 120
 tttccgattt gaactccgaa ttagattctg t 151

<210> 17398
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960046H1
 <400> 17398

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 aaaaggttct atgccttttg agactctttc acagacactg gcaacacca aaatgcagaa 120
 ggtccaagtg gctttggcca tgtttcaaac tctccctatg gaaccacttt cttaaccac 180
 tccaccaata ggtactcaga tggtaggctt gtgattgatt ttgtggctga agcactttca 240
 ctgccttact t 251

<210> 17399
 <211> 205
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960048H1

<400> 17399

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cttcccctac aacacaagac actgccattc agaaattaag tatctagcaa ttccacccat 120

gtcttccttt tcggcaacct tctacaggga caaattgtat tttaggtact gaaaaaagtt 180

tgtgttttat gtagttctcc attgg 205

<210> 17400

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700960050H1

<400> 17400

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accaatgtct cttcaacaga aaagggtaaa aaacttacca aacaaaatga ggatggcagt 120

atgtctacac tttttggttg tttagattta ttcacaaggc cagagacagt tggggtcaga 180

ccagaaactt tactgccgga attgtcggga aaggcaggac tcgttgaagc aaatgtctat 240

tagaaag 247

<210> 17401

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700960053H1

<400> 17401

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aacaatatac acaatggctt tcgctttcac tttcacaaa accctaattc tcttcgtctc 120

cctctcctcc ctctcctcc aaaccacgc ggcccgcggc cccgcaccg tccaggcccg 180

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ggag 244

<210> 17402

<211> 243

003320-03350

<212> DNA
<213> Glycine max

<223> Clone ID: 700960055H1

<400> 17402

caacagcaca aagcgggtta ctgtctgttc aagctaccat ctctctctct ctttcttagt 60
gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagtg 120
aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc 180
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atg 243

<210> 17403
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700960057H1

<400> 17403

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gaagataagt tcgagaagga agttgggtcag gacagaggag ctctcggtga gttctatgct 180
ccttggtgtg gacactgcaa aaagcttgct ccagaatatg aaaagcttgg tagcagcttc 240
a 241

<210> 17404
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700960058H1

<400> 17404

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gggactgttg tttcttggtg tattaggtgc tgcttgggca tgtgatgcaa gggaactggc 120
taactctgaa acttctgaac taagcataaa accggatgtg tgtgcacttt gtgaggaata 180
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cctgca

246

<210> 17405
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960063H1
 <400> 17405

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 ggcgatgggt gtattactac taaggaactt gggactgtga tgcggtcact agggcaaaac 180
 ccaactgagg cagaactgca ggatatgact aatgaggttg atgctgatgg caatggaacc 240
 atcgacttcc 250

<210> 17406
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960064H1
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 atcctctcag ccaagatatg acaacactga agacacctac tgttactgtg gataactcac 180
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 acattatg 248

<210> 17407
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960066H1
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 gtttagaggt gatggtgtaa aaaattgtca agatatagat gaatgcaaag agaagaaggc 180
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 tggag 245

<210> 17408
 <211> 202
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960068H1
 <400> 17408

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 tcctttatgg ggacgcgtct cctggaggct cactccggag cggggcgagt gcacgcccga 120
 ttcggtttcg gcaagaaaaa ggctcccgcc ccaaagaaag cctccagggg atcggggccga 180
 gacaccgaca gacccctttg gt 202

<210> 17409
 <211> 201
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960069H1
 <400> 17409

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 gtgtctcttc atcacaaaca caaaaacccc tctactacc tctcaaaaca caaacacaaa 180
 cacctccacg caagcttgca t 201

<210> 17410
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960071H1
 <400> 17410

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 acatgttaca cgtaaagatg ttaagcgggt gcaggctctt attgagcact gtctgacaca 180
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 ca 242

<210> 17411
 <211> 170
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960072H1

<400> 17411
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 ggggaatctc ctgggacacc gatgacgaac gtctcaaaga atattttggg 170

<210> 17412
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960074H1

<400> 17412
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 ttccttaggc ttggggattg aggttatcga cgaaacggcg ttgctagact ccgttgcgaa 180
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 c 241

<210> 17413
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960076H1

<223> Clone ID: 700960079H1

<400> 17416

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gaagccagaa gaagaagccc tagaaaagga gaatgtaggt gttcctgtcc ctgaaattt 119

<210> 17417

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700960080H1

<400> 17417

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cttgtcactg atcgtcatgt acagagttgc agcatcatca ttcagaaggc atctcaaggg 120

ccatggaggt aacttgggat ccactaggtt ttcaacttca gccgcggtag ctgcaaggac 180

ttcatcaggt ggtttgttta gctggcttac tggagagcgt tctagtgtc ttcctcctct 240

ggacatg 247

<210> 17418

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700960081H1

<400> 17418

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cccaatcagc aaaccgtgga ttaccctagt ttcaaactcg tcatcgtcgg tgacggcggt 120

acaggaaaga caacgttcgt gaaaaggcat cttaccggtg aattcgagaa aaaatacgaa 180

ccgaccattg gagtggaggt tcaccattg gatttcttca caaactgcgg aaagattcgc 240

<210> 17419

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700960082H1

<210> 17426
 <211> 241
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960091H1

 <400> 17426

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 catccagcgc cttcaattct cccttctgga ctacaaattc tgggtgctcct gtttggaaca 120
 acaactcctc tttaaccggt ggagctagag gtccaattct gcttgaggat tatcatcttg 180
 tggagaagct tgcaaaacttt gacaggggaac gtatcccaga acgtgttggt catgccaggg 240
 g 241

<210> 17427
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960092H1

 <400> 17427

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 gcgtatgaaa gagcaagcaa tcacaaacct cactaagctt ctactgatg agaatagggg 180
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 aa 242

<210> 17428
 <211> 103
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960011H1

 <400> 17428

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 tacttccact aaagggactt gagctggcca atactgcact ttg 103

<210> 17429
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960012H1

 <400> 17429

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 ccacttccac ggtgcttccc agtggaaaga tttgggtttc tggaagcaac acccacaata 180
 cctatagggga cgtggataag ttcccaactg agacaagagt tgaagctttc tctcctcctt 240
 atttgacgc c 251

<210> 17430
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960013H1

 <400> 17430

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 ttgcacctct tgcaccacca ccacaacatg tttatgatca aacaccacca ccacaacaac 120
 aacccttgct atcatcatca gcacaagaag aagggtttcc aaatctaata cagtacgcgc 180
 acttcttttg agtagggatg atgatgatct acagcgtatt gcttcaggcc ttcataca 240
 tcatcatcac aat 253

<210> 17431
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960014H1

 <400> 17431

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 ctgaattcag gacacaaaat gccagttata ggcattggaa cttcagtga gaatcgcca 120
 tcaaatgaga cccttgcttc tatctatgtt gaagccattg aggtgggtta ccgtcatttt 180

gacactgctg cagtgtatgg aacagaggaa gccataggcc tagccgtggc caaagccata 240
gacaaaggcc t 251

<210> 17432
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700960017H1

<400> 17432

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aacggctctt gctttgtgaa tagcatacca tagcaacaac aacaacacag aacacacaaa 120
gaaaaaaggt ttcattggat cgtaactggg gggcacttgt ccaaattgga aaattcccgga 180
gtgattaggg ttttgatcgg aggggtgtgat tgaaaggaag actgtgcttg ttcattctct 240
ccgtgggggt tg 252

<210> 17433
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700960018H1

<400> 17433

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ctctcggtcg agggttcttt cgtggggaac actgcagatt tcaccaccg ggtcttattc 180
atccgtgccc atgtccaaag ttctcggtt ttccggagtt gacgatcttt gccctatggg 240
atcaatatac g 251

<210> 17434
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700960020H1

<400> 17434

<210> 17440
<211> 114
<212> DNA
<213> Glycine max

<223> Clone ID: 700960028H1

<400> 17440

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ataaggaaat tgttcgtgtt ttgtatgaga atacttttta agtcatctgt actc 114

<210> 17441
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<212> DNA
<213> Glycine max

<223> Clone ID: 700960029H1

<400> 17441

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aaccagaaga accatttgtg gtggatatgg atctggacca gtggatctcc aagggtcaaag 120

atggccagca tcttcttgaa gacgagcttc aacttctctg cgaatttgta aaagagatcc 180

ttattgagga gtccaatgtg cagcctgtca atagtccagt gactgtttgt ggtgatattc 240

atggtcaat 249

<210> 17442
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700960030H1

<400> 17442

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ttgtccttct tcaaataccg taaaaccttc aagaatccac cacttcacc aggtcctaga 120

gacattccca taatagggaa tcttcatcaa ctagatagtc cttctcttca tgagcagcta 180

tggcatctct caaagaaata tggtccttta ttttcccttc aatttggatt aaggccagcc 240

atagttgttt cc 252

<210> 17443
 <211> 82
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960031H1

<400> 17443

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ccttcatatt gaaggcgagt ta 82

<210> 17444
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960032H1

<400> 17444

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ttggtagcat ggcaatgcca tgcgtacgat atgttcctc tccgaatgaa cactggctat 120

gggtgcccgt ctccggaggt gaaatgagca agttggaggc ttgctgtgga aacacacaac 180

atctttggct ttgagaccaa tcctgaagag tgcgttgaag caacaaagga atacatccat 240

ggcgaacaat atag 254

<210> 17445
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960033H1

<400> 17445

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gatggattgc attcgcagca tccatcggtg gttcagaagt tatctggaca gtcttatctt 120

gtgtccaggc ttgctcctaa tcaactccaga aactgttcta ccaactggtag ttacttcaat 180

ggaggtttgc agtcttcagg tttggttcca gtcacggcac acgcgccggc tgagaaaggg 240

gtgtctgga 249

<210> 17446
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700960034H1

<400> 17446

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cagcacccca ccaagggttt gtccgaaaag cttgaatttt tcgcctaccc ttacaaatga 120
tctcttcatt gagacaacct gttgtaggga tcagtgggtc tgatcttctt ttgaggcaaa 180
gacatgcaac cctaattaag gcaaggctct tttaccctc tttgtcaaga gaaaagggtc 240
aaagatctc 249

<210> 17447
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700960035H1

<400> 17447

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cgcgccaact cttgtatgat ccactactca gatccttcca attccgctgt ctgcttttga 120
ccgcccgcac accaaactag catgttcttc agtgtttccc tttcagatat ttgatgcttg 180
gaaacgtagg gaaagttgcc caatctattc ttagaacca tagaagaaga tatttggtcg 240
caagtagaa 249

<210> 17448
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700960036H1

<400> 17448

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ctactgctaa tttaattaag atgggtttcc cacaacgatc agctgagggt tctgtcgcaa 120

tatgcacatg tcatgaagag gccaaagaccg gagggggata cacttgcca agatgcaaag 180
 ttcgtgtctg tgagcttccc actgaatgac gtgtgtgtgg attgaccctt atttcttcac 240
 ccc 243

<210> 17449
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960037H1

<400> 17449

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 aagcacacgc aatggagccg tagacagtca agtaaaatcc aatccacgaa atcatttgat 120
 ctatggacag catcgtttgtg gtaaaggccg taatgccaga ggaatcatta ccgcagggca 180
 tagaggggga ggtcataagc gtctataccg taaaattgat tttcgacgga atgaaaaaaa 240
 catatat 247

<210> 17450
 <211> 130
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960038H1

<400> 17450

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 catctccaag agttctcttc ttgagtctct ttgtaactct ttccatgagt ttacatttga 120
 gttcagccag 130

<210> 17451
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960039H1

<400> 17451

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[illegible]

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<213> Glycine max

<400> 17455

tcggaca 247

<213> Glycine max

<400> 17456

cccatggcct t 251

<213> Glycine max

<210> 17460
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959972H1

<400> 17460

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 aagttcgagc acccaaggca cggttcactg ggatttcttc ccaggaagcg tgctgctcgt 120
 cacaggggaa aagtgaaggc attccccaag gatgacccat ccaaggcacc caagctcact 180
 gcattcttgg gttacaaggc cggtatgact cacattgtta gagaggtcga gaagccagga 240
 tcaaa 245

<210> 17461
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959974H1

<400> 17461

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 gttgagcaac tctgcaagtg attgctacaa aacactagca attaggatat ggttttttgggt 120
 aaagctattg tgcttgtaaa attaagcttg aattttcatc atgactttct tttcctttta 180
 tttctgaagt ctatagcccg taactttaaa ttgttgttta atttctgata atctttgcaa 240
 ttttttttaa aga 253

<210> 17462
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959977H1

<400> 17462

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 acccaacaga tgcagcagtt caacaagata ctgaactaca agcatggtgg aaggaagctg 120

<400> 17465

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 ggcgaggatt tcgagttccc aagtgtctggc aacatggaaa tgcctgagga ggaagagttt 180
 gagagtccga tcctgaaggt tggggaggag aaggagcttg ggaaaatggg gctgaagaag 240
 aaattgctca a 251

<210> 17466

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700959983H1

<400> 17466

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 aggggacttt ctgtattgca ctgtggcgtg gaacagaggt tgcagtaaaa aagcttgggg 180
 aggatgtaat tagtgatgag gagaaagtga aggctttcag agatgagctt gctctgttcc 240
 agaaaaat 247

<210> 17467

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 700959984H1

<400> 17467

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<210> 17468

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700959985H1

<400> 17468

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tgctgaccga tgattcgcag ggtgttgaat cacacactcc aggagtgcct tgtccaaatt 120

attccgagtc tgagcatgca gagaaagcag atagtgaagt tcaaaccttg aggaaagccc 180

tggccaaaat acagtctgac aaggatgcta tctttcttca gtatcagaag agtatggaga 240

agttat 246

<210> 17469

<211> 95

<212> DNA

<213> Glycine max

<223> Clone ID: 700959986H1

<400> 17469

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<210> 17470

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700959987H1

<400> 17470

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ttccacttgc acatatattt gatagggtca ttgaggagac attcatatgg catggtgctt 120

caataggttt ctggcgtggg gatgtcaa at tgtaattga agatgttggc gaactaaaac 180

caactatttt ctgtgctggt ccccggtgtgc ttgatagagt gtactcaggt ttgacgcaga 240

agattt 246

<210> 17471

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700959988H1

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<400> 17471

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ttctgtttat tatatgaaat agtaaataac atctctgttt gagttatttc tggtatatat 120

ttgaagaagt aaaaagacga gtatgatggg gtaaaccta atctctgata atgggaagcg 180

ggaagtatta gtggtgaggt ttgagtcag tatgttctgg aatgcgttgg taaatccgat 240

tcata 245

<210> 17472

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700959990H1

<400> 17472

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tggtttcacg tatgagctga agctttcaac gaggccagag aaatacctag gagatattgc 120

aacttgggac aaagctgaaa gtgctcttaa agaagcttta gatgattttg gcaagccttg 180

gcagttgaat gaaggggatg gtgcattcta cggaccaaag atagacatca gtgtatctga 240

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<210> 17473

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700959991H1

<400> 17473

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gccttttagat tctgattctg agtctctgct gctatatatg gcgccacgag tatttcttgt 120

gttggggatg ttgctgatgg tgtgccttgt taaggtttcg tctgatccaa agagagaaga 180

agaaatactg gaagaagaac tacattttcc cgataacgag ccacttattg tgagagacgg 240

gaacagaag 249

003300 E.T.F.50

<210> 17474
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700959994H1

<400> 17474

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gaggatgagg catttattgg catgggtgca accttgcttg atgggtgtata tgttgagaaa 180
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gtttggggag gta 253

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<223> Clone ID: 700959996H1

<400> 17475

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tattgatact gatgcatgga atcctgccac cgatgcattt cttccagtcc agtacaatgc 180
aactgatctt caagggaaag cagagaataa gcaagccttg agaaggaact aggtctttca 240
tctacagatg ttaggaggc 259

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<223> Clone ID: 700960001H1

<400> 17476

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cgtcaagagt gctcctcaga gcatttggtg tggccctgat cgtcccaagt acctgggtcc 180

gaaagtgggtg ttggctgagg gagcagcggg taccgtcaaa ggtgcaagat ccgttagtct 60
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 tcttttaact ttggctgagc atcttcgcca tgcttctaga acccaggggtt ctccgattct 180
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 gactgtagca gagaagtgga tacaggcttg ctgcctgaaa ttaaaggcgg agtttgacct 180
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<210> 17482
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<212> DNA
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 ggctatgtga ctaccatattg cttttcatgc ttccttatca gatgtgttat gatgtgcttt 180
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 aatgaggctg ccac 254

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 <223> Clone ID: 700959939H1
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 aataaccagg ctttgagtaa catgatgatc atttattatg tttattaatt gttgcagaag 120
 ataggagtgc actgagtgtg gctttaatct agctagtttg atttggcttg tagtgctct 180
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249

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atcctcctgg tctgtctgat gaagtttggg gattggaaaa aataggcaag gatggagctt 180
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<223> Clone ID: 700959947H1
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gataggagta gtctgagtgt agctttaatc tagctagttt gatttggtt gtagtgcctc 180
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<210> 17490
<211> 258
<212> DNA
<213> Glycine max

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<223> Clone ID: 700959953H1

<400> 17493

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gaaatggaat aggagcaagt gttgcagcag atcaatatgc ttttgatgta ggtgctttaa 180
gaaacatagt tgaaaatgca tatagagggt ttgaacataa taagccacta gtcattgcac 240
ctggaggctt c 251

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aaccgccagc tctaccgctg cttcgctctc accagcacca tgttctctgtg ggccctctct 180
ttaategccc tcaccgcttc atatctcagc ttccaaggct tcgttgattc cggcagccgc 240
tacctctccg c 251

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 aagatcaagt tgatatttta atagaactta ctggtcacac tgcaaacaat aagctgggaa 180
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 gattgcctac aattg 255

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aaactttttg cttggtcaac ctggatcagc tgaagataag aagttatatc ttattgatct 180

tggtctggct tctagatgga aggatgcac atctgggtcta catgttgatt atgatcagag 240

acctgatata ttcagg 256

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tctcactctt cttcttcttc ttcttcttct tcttcttctt cttcttctca gcggaaatat 180

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ctatggtaag aggctggc 258

005313-03600

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 atcaatgccca tca 253

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 cgaaaatccc cctcaagaat acgaagaagt cgaagaggaa gttgaggaag aagaggtaga 180
 ggaagaggtc gacagaggaa gaagaagaag aagaggagga cgaggaagaa gaggaggagg 240
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 agaccggtgg cgccggcaaa ggtcgacta acatgcgccg caccgtcaag agtgctcctc 180
 agagcatttg gtatggccct gaccgtccca agtacttggg tccattctcg gagcagattc 240
 catcatacct gaccgg 256

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<223> Clone ID: 700959966H1

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 ggccaaacac tcccatcca agttcattgc aagaacttct aaagcctggc cctgcaagta 180
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261

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 acaacaacaa catt 254

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 gatccctgca agaggccaac agcttcagag gctcttcaac atcctttctt ccagagttgc 180
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 cgttcccaac cccaaggatg ctggtcttaa ggaccagaag aacttcatca gctatgggtg 180
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 aataggt 247

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<223> Clone ID: 700959926H1

<400> 17525

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<210> 17526
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 gctccataga gga 253

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 cgcaaccaat cagggaga 258

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 atcctcatca tcttattatt cctcttccat ctctattctc cataacaccc accacaccac 120
 ttgtgaaacc cctcattaat atcacacact gacatgtatc tctgagctcc aatccaatac 180
 aagaccacac cttgtcgtgt cggacgaacc ttggtgtctg tttttttttt ttttttccat 240
 aatttcccc 249

<210> 17535
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959864H1

<400> 17535
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 tgagcagcag gaactgtctc aacagcacct taatggcaat acttttgctg ataaattaag 120
 gttttccaat tcaacctaca ggaatgagcc atcttcagca agcattttga actcatcagc 180
 aaagccttgg gataggcaaa tcaggaatac tgatttgcac gtttagcagtg gtcaagaggc 240
 acttgtttat g 251

<210> 17536
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959866H1

<400> 17536
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 ctagtggcga tgctgccatc ccctggcatg ggccacctaa tcccaatgat cgagtgcga 120
 aagcgagtgg tgtgctacca taacctggcg gtgagcttcg tgatccccac tgacggccca 180
 ccttcaaaag cccaaaaggc agttctggag gcccttcagg actcaatttc ccacaccttc 240
 ctccct 246

<210> 17537
 <211> 246
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959867H1

 <400> 17537

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 tccgcttctt cccactccca gtcacaatat gcagacagcg ttgaatctga agcaggagct 120
 gatactattg actataaatc tttaaccgat gaagagtgga agaagcggct cacaaatgaa 180
 cagttctata ttactcgtca gaagggaact gaaagagctt tcaactggga gtactggaat 240
 actaaa 246

<210> 17538
 <211> 243
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959869H1

 <400> 17538

 gaattatcgt gttttgatca gaatctgagg agaaaatcac ataatttcga atttgagttt 60
 tcgtgtagaa aaaggaagag aagaaaatgg aatcggagga tttggtcaaa caggaattgg 120
 aggaattgca gaaacaattg gggaagaagc aaaagtttga agcttctgtt tcgtctctta 180
 aaacccttct ccaacgcact taccatcag cttccccggc gcttcgtaaa tccttttatt 240
 cag 243

<210> 17539
 <211> 222
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959871H1

 <400> 17539

 cttggcaatc gttcttcgta tatatatcac atgtaatatg aggttccagc agtcagcct 60
 ccaagacttg gtgagtgtca ctgctgaaga gagaaccacg cagaactgac gcaatgggaa 120
 gcacaagttt gcttcatcta ttacttggtg ttgttttggc tctgctgagt gtgtctcttg 180

tggaaggaga agatgcatac aaatactaca cgtggactgt ga

222

<210> 17540
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700959875H1

<400> 17540

eggctcgagc tattccctat atccgcttcc aatttgtaa ttttcattct gatacgattc 60

tgggtatcgc caaattttctc gattttccgc atattttgga ttttagagggg tttgaagaaa 120

taaccgaact ttggaaggaa aaacacaacc ccatatgatg caacgcttgg ttgatcatgt 180

tcttgctgtt actaaagagt cattgaaggc aattacttat gagtccttaa atattgtgag 240

g 241

<210> 17541
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700959879H1

<400> 17541

gtaggaaggg ttgcacgtac atctgtcggc acccggattt ggcgttgtaa aaccgcatcc 60

ttgtttgtct gcagaagcat gggctcataa cagattcaag aataataata cagagaaaag 120

acaaatctat gcatgatgat ctaatttctt atttccctct cctctgttcc tttctctgca 180

tgcatacaca gcagcagcat ttattactaa caacaatgac tatcatatac gcacaatgaa 240

gcatt 245

<210> 17542
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700959881H1

<400> 17542

00330 "E F F E S S O

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ctctgcaaca gaacagcgga gaaggagcaa aattaatgac agattccaaa tgctaagaga 120
gcttattcca cacagtgacc aaacacaggg acaaagcatc ttttttattg gaggtcgttg 180
agtatattca tttttttacaa gagaagggtgc acaagtatga aggttcattt caagggtgga 240
gntaacgagc cagaaaaatt gatgc 265

<210> 17543
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700959882H1

<400> 17543

attggtatag gcttgccaag gtcttggtga ttgagcgta agtgcttta ctaatcaatc 60
ccaagacctt ggtttacctt gccacacaaa aaaatatata aaaaggcaaa ataataataa 120
aaaaaagaga aggcttggag ccaagaaaat aaactcaaag cccaagctga tgaagcacia 180
aaaattgctc ttgaggccta tgtcccagtg ccagaagatg tcaccgacga actcaatttc 240
catggtt 246

<210> 17544
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700959883H1

<400> 17544

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acccttcaac catttcaatt ccttccttca cccaaaccgc actatcggtc ttcgacacgg 120
tcctgtttat taagcggttt ggataaaaga atagaagcgt aaaatggcct tcgtagcaca 180
tcaacctcag ggtttgtttg tgacatcttc ctcgaggcgt ttgccatgga gcaaaaggct 240
g 241

<210> 17545
<211> 240
<212> DNA

<213> Glycine max

<223> Clone ID: 700959884H1

<400> 17545

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caciaacaca cccacaaatt tttatttccc agtcttgatt tggttcacta cttcacttaa 120
gtcattagtc catagtccat agagtcatta ttattggtat tgttatttta ttatttggtta 180
cttgttcctt gatagtcact attattggtg cataaaatag agcaacatga agaacagaac 240

<210> 17546

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700959885H1

<400> 17546

ctcacgcatt tctctgtttt tttcttccct tttctcttct tccggcgacg atctcagatt 60
ccggccactc ctctcgccgg cgagccctta ctcttccctc ctccgtcgag cctctctcga 120
ttcgaatcgt tcccagcctc gcaccaccat gaatcccgaa tacgattatt tgttcaagct 180
tttctgtgatt ggagattctg gtgtaggcaa gtcatgtctt ctcttgaggt ttgctgatga 240

<210> 17547

<211> 81

<212> DNA

<213> Glycine max

<223> Clone ID: 700959886H1

<400> 17547

tgaactttgc ttatttatct tctgagtgag actggtggca acaatcaaga atggaagaag 60
ggaattgggt tctcttctta a 81

<210> 17548

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700959888H1

<400> 17548

tgccaatcag gcatttgtga atctagttct tactctctgt gatccgggtg attctgtggt 60
tatgtttgct ccttactact tcaatgcgta catgtccttc cagatgactg gcattaccaa 120
tattctagtt ggtcctggta gctcagacac actccatcct gatgcagatt ggttggaag 180
aatattatca gaaaataaac cggctccaaa gcttggttact gttgtaaatac caggcaatc 239

<210> 17549

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700959890H1

<400> 17549

ctaaactcat attccaaaac gcagagccaa accatgtcgt tccccttcaa ccactctcac 60
gccacccaca cccaccaccg caggacgacg acgacgacga acgacccacc gtttacactc 120
cgccgggaaa ctccctcagc aaccgcgccac ctccgttcta cggcgctccct caaccaccac 180
cccctcagcc ggagaccac gtgttccatt cgcctcacgt gacaccagga cacgtgtc 238

<210> 17550

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700959891H1

<400> 17550

ctaaactcat attccaaaac gcagagccaa accatgtcgt tccccttcaa ccactctcac 60
gccacccaca cccaccaccg caggacgacg gacgacgacg aacgaccac cgtttacct 120
cgccgggaa actccttcag caaccgcga cctccgttct acggcgctccc tcaaccacca 180
ccccctcagc cggagaccca cgtgttccat tccgctcacg tgacaccagg acacgtgtcc 240
c 241

<210> 17551

<211> 239

<212> DNA

<213> Glycine max

[illegible]

<213> Glycine max
 <223> Clone ID: 700959901H1
 <400> 17554
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 tccacccaga ggagaatctg atgaaaacca gcttgagatg ctcttgcaat tggcagggca 120
 ggagcaggag caggaacagg aacaggagca ggatctggaa gaacaagaag accaaaccgg 180
 aattgcagct gaggcttttg tttccatc tttccatc aaaaactgtg gcctatgatg acctccaaat 240
 gacaacttgt ccatcatctg aatctt 266

<210> 17555
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959902H1
 <400> 17555
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 ctccacttga aatcgagttc gcagagaaac cttattgtgc tgaatcctcc aaatgggttg 120
 cgtttgtggc acaatgaaat ccaaaaggca tgtgtgggta ttggtggtcc tgaagggtcat 180
 cctggtcaac aaacatttag tggcacattt agcattcaga aatataaatt tggatacaaa 240
 cttgtgttct gtatcactgg ctca 264

<210> 17556
 <211> 230
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959903H1
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 aggaagaggc gtaaccctct tgagagcata caacaataat ggaagaggac acccacacaa 120
 gatcccccca agccgagggc atggtggaac acagtgtcat gagcattgtg gaacgtcagg 180
 ctacaagtcg agtttacact gccgatgcgt attaacgacg aggacgagca 230

<210> 17557
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959904H1

 <400> 17557

 gcaaaaaaaaa atctcaaaat aaaacaacca aaccacacac ctcacaccct cttcaacatc 60
 ctcagcaaga acaagaagaa gaagaagaaa caatgtcttg ctccaatctg acaatgttgg 120
 tgtcctcaaa accttccctt tccgaccctt cgaacctctc cttccgctct gtcctgaacc 180
 cttttcagct ccttacacaa aaccagctt catgcacccc ttcacgctcc tcaagcacc 240
 aaattcagtg tggctgaga g 261

<210> 17558
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959905H1

 <400> 17558

 tgatgttgga acggctgctc ttatgggcct ctttaactca attgcttatg gtctcaattc 60
 ttctgttcgt agagcaattt gtgaaagact ggacaagtgc tggcctgaga gattaaacag 120
 atggctccct aacagttaa agtacaagaa cctacagcaa gaaagtgaac tagttttgtt 180
 caaaactgaa gatcaataac agtgaatgga caaattgtga tcttccatgc caagtgcacat 240
 ttcttattct agtttacta 259

<210> 17559
 <211> 243
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959861H1

 <400> 17559

 gttctagata agaatggaag gcgtccctta ctccaattac tacatcctaa tagttcacgt 60
 tatttcagtc ctgatgatct tgcctctctg aatttatcta taccttctct gtctctcaag 120

gatcagtcag aagcaagctc tctgacagaa acttcgaagg ttctacttgg tgacaaggaa 180
 tccaaggatg acatagagtt ggcattgaac gaagtaataa agataaaaact tctgtggatg 240
 att 243

<210> 17560
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959820H1

<400> 17560

gagagaacaa agcacttagt gctattcaat aattacgaaa aaccaacagc gagtggttgtt 60
 tttgttttggc ccaggcagga ccagggaatg aatagagatg agaggctttc ggttgaagag 120
 aactgagtta agcggcgaag ccaaacgcag aatcggcggc agaaattgcc accggaagca 180
 cgtcgaagac aggtgaacca aacacaaaat tccatccacc acttctcttt tcaatcccca 240
 actcaaactc g 251

<210> 17561
 <211> 82
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959824H1

<400> 17561

aacagttact agcaccatca ccagcaccac catgtccctt gaagagtcgc taagatctct 60
 ttctctggat tacctcaacc tc 82

<210> 17562
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959825H1

<400> 17562

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 gaattccctg caattaacat aagcataacc ctttccaac ctttctcctc ttcagatcgg 120

atcagatcag atccaccgcc atggatttca tgaagggtctt cgatcaaacc gttcgagaaa 180
 taaagagaga ggtgaatctg aagggtgctca agattccgga aatcgaacag aagggtgctgg 240
 atgctactga t 251

<210> 17563
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959826H1
 <400> 17563

gtggatgata atgaatcaca ggacctttca gaggaggaaa taaatgtgca tcacttggtg 60
 agattggcta ggaaactttg gctgcctgct tttttctttc ttaccgtttg tcaaacttgg 120
 acgactcaat tacaaatatt attcattaaa cttactctat tcctcctcag tacaaagccc 180
 aaccctttct ctgtctatgt atttggtgat aagttgtgcc aacgatatat gcaccaagaa 240
 actcgatt 248

<210> 17564
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959829H1
 <400> 17564

cattactgaa aacctttcac tttgtttttt taatccggat tgccaattta tgtatatctt 60
 tttgattcaa ttaattctca tcttgatgat tgtatgagct agattttggt ggagattctg 120
 gtcaattgca ttcgaagcga cttgatcaat tttttgaaaa aaaaaaaatt ggggatgtag 180
 tttgtattga atattcacac acccaataaa acaaataaag agttccagta acagaacctt 240
 ttaggcttt 249

<210> 17565
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959830H1

<400> 17565

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tcgaaattta ctatcaaacc aaaaattctc aaaatctctt cacctctgtg atgaccatgg 120

aatacagaac cttagaactc aacatcatat ccgcaaagga catcaagaac gttaacctct 180

tctccaagat ggacgtatac gccgtcgta cgctctccg cgaccctctc caccctcagg 240

gcgccaccac 250

<210> 17566

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700959831H1

<400> 17566

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ccatcattat ctttctggtt tcgtaacaag ttccctgtca tggatctctg ttttgttatt 120

ggaccaatgg gtaaggactc tattttgttt agaccatca tgaccatcaa tggcaacaca 180

atggagacac agttaactga aaagagggtg tgtttagact tccgagcatt agattatcat 240

atacttatca t 251

<210> 17567

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700959832H1

<400> 17567

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ctcatgcatg ttgctatgtc gtggaatagt ttataactct gactcgcacg gtcgcgcact 120

tctttcggaa gatctaaaag gtcaatTTTT ggtaaccctg ggatgcttaa atgcgtgttg 180

aggcttttga tggattttgt tgtgggttcg tgaatgactg ggagttggag aaagggttgca 240

agagatgaag cgccg 255

<210> 17568

<211> 257
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959833H1

 <400> 17568

 agcctctgca tctcgaacct ctaccactg atgaggttca tacagtggga caagccccca 60
 atcaattcat tcagtggcca agaagacttg tgaagtctat gtcagccaag gctgttgctg 120
 aatctagcaa agatgctcca cacaaaaggt tggaacctca .acttgatccg ctcgaacgct 180
 tgttgataat agtaagcaaa attaggaagg atcatgtaca actaccttgg gatccggatg 240
 tactaagcaa gccctct 257

<210> 17569
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959834H1

 <400> 17569

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 agagccttcc tttgcggttt ttcttcttga gaagaagaag gctctttgtt gttgttgatt 120
 ttgaagaagg aaagaaggaa ggaagaaaat gttgaggcta tggatttctt atctgcaatt 180
 ggtggaactt tttgtgagtt cattggttca tatgctttat gggttttaca tatttagctc 240
 cgctgtggct ggg 253

<210> 17570
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959836H1

 <400> 17570

 caccaaccaa acctcactct ccctttctcc cctgaccctc tccctgccat ggtcatggga 60
 gcctttggcc acttcgaacc ggtctccaaa tgcagcaccg agaaccggtc taaccaaacc 120
 gtggcctcgg acttgacgg caccctcctg gtgtcccca gcgcatttcc ttactacatg 180

ctggcagcca tcgaagccgg cagcttcctc cgtggccttg tcttccttgc ctccgtccct 240
 ttcgtgta 248

<210> 17571
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959837H1

<400> 17571

caagatcatc atctccatga aaaccctaac cctagagggtg gtccactct tcttcctcct 60
 ccttaccacc aaacagctcc tcacatgtca gccacagcat tgctgcagaa agcagcccaa 120
 atgggtgcaa cgatgagcaa aaccgggtcc atgattagga cccaccaaca gcagggtcac 180
 gtgtctgcca atgctgcttt gaatttgttc tcacgtgacc accagatgaa cccactccc 240
 catgact 247

<210> 17572
 <211> 73
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959838H1

<400> 17572

cttcttttgt agtacctcat gagagtgggtg cctgtcattg gcatgctaca tgagaggaaa 60
 gtgttcaaac ctg 73

<210> 17573
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959839H1

<400> 17573

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 cgatgaccag aagggttttg gcttcataac caccgacgac agcggcgagg aattcttcgt 120
 ccaccagtcc tccatccgat ccgacggctt ccgcagcctc gccctcggcg agtccgtcga 180

gttccttatt gactccgatc ccgaaggccg caccaaggcc gtcgacgtca ccggccctga 240
cgaatc 246

<210> 17574
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700959840H1

<400> 17574

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caccacctc gctctttcct ccccttcaga cctctcaaac cactcttcaa cccctctctt 120
ctcctccgcc ctccctccaa atctcgccac aaccctttcc taaccgcgc cgacgatgac 180
gacggcgacg gcggcggccc cgaccactac gagatggacg aggacgaaat ggaggagctc 240
gacaacaag 249

<210> 17575
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700959841H1

<400> 17575

aagaactgct tcagatgcag ccattgcaat ggccttcttg cgataagcaa ttactcatcc 60
accgaaggag ttttgactg caaggtgcac tttgagcagc ttttcaagga aactggaacc 120
taccceaaga aatcccagtc gtctggaaag cctccactcg agctgaatag agcaccaagc 180
aagctttctg ccttcttctc tgggactcaa gagaaatgtt caaatgcaa gaaaaccgta 240
tatccatt 248

<210> 17576
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700959843H1

<400> 17576

gaacagatga tcaatgtgca aaacaagaac tcctcatact ttgtcgagtg gatacctaac 60
aatgtgaagt ccagcgtgtg tgatatccca cctaagggtc ttaaaatggc atccactttt 120
attggtaact cgacctcaat ccaggagatg ttcaggagag tcagtgagca gttcacggcc 180
atgttcaggc gcaaggcttt cttgcactgg tacaccgggg aaggaatgga cgaaatggaa 240
ttc 243

<210> 17577
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700959846H1

<400> 17577

aaagagtact tggtcgaaa aattgacatg cagctcaagc ttgtgcctgg taactctgct 60
ggaacagtaa ctgcctatta tttatcttct ctggggccta ctcatgacga aatagacttt 120
gagtttttgg gtaacttgag tgggtgacct tacactctcc acacgaacgt attcccccaa 180
gggaaagggg acagagaaca acagttccat ctatggttcg accccaccaa ggacttccac 240
acatactc 248

<210> 17578
<211> 108
<212> DNA
<213> Glycine max

<223> Clone ID: 700959848H1

<400> 17578

taagattatt tggatgaagaa aaagatgcat aacactgcta aagcattcat gacagaaggg 60
aaggtttctc ctgatccagt agcaattgat actcctggag gttttctt 108

<210> 17579
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700959849H1

<400> 17579

accaaaaatt gatgtagtag ggttttgctt tcttgatctt gcgttaaact atgaacctcc 60
 agagtcctctt gtaaaatggc ttgaagaagg agacaaacct atttacattg gatttggttag 120
 cctgcctggt caagaaccaa aaaagatgac acaataatt gtagatgctt tggagatcac 180
 tggacagagg ggcacatca ataaaggatg gggaggtctt gggaatttgg cagaaccaa 240
 ggactctata t 251

<210> 17580
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959850H1

<400> 17580

gattggatca caacagggca ttgggcaaaa tctctgaaag actgaccgtt caggtttctg 60
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 atgcaactgt tgcaacctca gctggggaga agcccgccg tgagcttata gctgatgatg 180
 cctggttgaa tggggaattc attactactg ttcaacaacg tggcgctgca attatcaaag 240
 ctagaaag 248

<210> 17581
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959851H1

<400> 17581

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 gcactgcatg atctaccct 79

<210> 17582
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959853H1

<400> 17582

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 catattgcaa ggacatgggt ttcaaccttc aaccatatgg gattcaatcc atgctcaagg 180
 aaggccataa gcacctttct ggctcgcagc aagcggttct caagaacatc gacgcttgca 240
 aaca 244

<210> 17583
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959856H1

<400> 17583

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 ctcaatttga ctctttcttc ttctcattt actaactcta tcgctcgtca accatggagc 180
 aagcttccct tcaccgcaag cgcttcttcg caagtatctc cggctttcac tccctccaac 240
 gacg 244

<210> 17584
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959857H1

<400> 17584

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 gatctgctgc acgcgttctc gcatttgcca cgcgatctta acttcattga tcataccagt 180
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 atgac 245

<210> 17585
 <211> 242
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700959858H1
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 ggatgaagcg ggtgctgcag ctatcaagac agttgagctg gatgcagctc ttggaggacg 180
 tgctgttcag tatcgtgaag tacaaggcca tgaaactgaa aagtttctgt cttatttcaa 240
 ac 242

<210> 17586
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959860H1
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 aactctgaaa cttctgaact aagcataaaa ccggatgtgt gtgcactttg tgaggaatat 180
 attaccaagg cacttgatta tctacatgaa aacaagactt agacagagat cattagtatc 240
 ctg 243

<210> 17587
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959819H1
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 aagatgacgg cggcggcgct gcggaagcgg ttcgaggaga agaaccctc cgccgtgtcg 180
 gtggaggtcg gagagcatgt ccagctcgct tatacccacc acaacgagtc gccgtttcag 240

cccagatcct ttg

253

<210> 17588

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700959785H1

<400> 17588

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aattgcaaaa gagaggaatt tctacacatg ttgaaactaa tatgctcttg gtgggggttg 120

ggggaggata tatgatctcc ttgaccttta aattattact ctctcctttt ctttttatct 180

ttgtctcact ggtttcattt tatcttattt caagattttt acgtaaaaat taaaaaaatg 240

ttataatttt t 251

<210> 17589

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700959787H1

<400> 17589

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gatggacttg gctattatga gtttctccaa cttgctggagg acttgggtac tgcaccaata 120

tgggtattta ataatggtgt cagtcataat gatcaagttg atacatctgc ggtcttacct 180

cttgtgcaag aagcccttga tggacttgag ttctgcgagag gtgatcgac ttcaaaatgg 240

ggctccctta gagctgctat g 261

<210> 17590

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700959788H1

<400> 17590

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gtgtatgcac aagacacaac aacccttgtg cctgcaatca taacttttgg tgattctgct 120
 gtggatgtag ggaacaatga ctatgcttcc cacccttttc aaggctgatt accctcctta 180
 tgggaggagac tttgttaacc accaacctac tgggaggttt tgcaatggca aattagctac 240
 tgatttcact gctgacacat tgg 263

<210> 17591
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959789H1

<400> 17591

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 gaagcctttt tcttccact tttctctttg gaattgggtc ttctgcttac caggcagaag 180
 gagcagcaag tgtagatggg agaggaccaa gcatatggga cacctacact agacagcata 240
 ctgaaaagat ttgggatca 259

<210> 17592
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959790H1

<400> 17592

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 aaccccgatt ccaacaaaat gaagggcaga aaacctgtag accgttcctc atgtggttcc 120
 aacacaacct ctagcagtga agagactgag ttactagaga aggatgagaa agaaaaggaa 180
 gagcccaaaa cacctgatgc gaacgtttta gataccgagc ttagtaatcg tcgaagtaga 240
 agcattagca accttac 257

<210> 17593
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959791H1

<400> 17593

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gggaaataga ttgaaagctg caatccaggc agctttgctt agaaggcctg aaatacacaa 120
gaggaaagaa gctcctgacc aaactaatga gtttcctaca tcaagcactg gtttgaaacg 180
agaagtcact tctcaaaagc aagtgttggg ttccagcact ttgaagaatg gtatatctgc 240
tgaagaaagc aatat 255

<210> 17594

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700959792H1

<400> 17594

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tccagctgat tgaactgtac agaaagaaag cgcaaatgca aggcaaagta gcgagacagt 120
tttttacttg atccattatt taatttattg agaatgagcc caattgtaaa tgactatgta 180
ccatatcaac caacacaagc tgcaatttta agggaaaatg cagcgacctg tggttactgc 240
agctgaagct gct 253

<210> 17595

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700959793H1

<400> 17595

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gaagagcgta tggtcagcct tggggaaaat ctgcgtctcag atatgttaat gatggtaggc 120
ccttttggca atacatagtt agttattcta ctggctgctc agatcctcaa tactttgaag 180
aactttataa ctattatacg acagacaagg catggcacct caatgatcct ggcgacagaag 240
aagtattcag agc 253

<210> 17596
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700959794H1

<400> 17596

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atgctgcttt tcagttcagc atttggccaa aactgctagt cctacctctc tgagcccaac 180
tccagcacca gccccggcac ccgactacgt gaacctcacc gagttgctca gtgttgctgg 240
tccatttcac accttc 256

<210> 17597
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700959795H1

<400> 17597

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ctgatcttag taatgccaag gattaccacc gtcggcataa ggtttgtgat gttcattcta 120
aggccactat ggcactagtg ggaaatgtta tgcaacgttt ctgtcaacag ttagcaggt 180
ttcatgttct tcaagagttt gatgaaggga agagaagttg tcgaaggcgt ttggcaggcc 240
acaataggag gag 253

<210> 17598
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700959796H1

<400> 17598

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attgacatcc cctgatgcaa acattgaaag gtctggggaa taacgtatga cactaatagc 120

accctatgt ttctcaagga cagcctcttc tacaagagta tgcgcagaaa tagaatatat 180
 gtgcaatttg ggaaatattt gttggatttc aaatttcttc ctttagaagg cttctaaaag 240
 tcaagactgg tgaggatgt 259

<210> 17599
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959801H1

<400> 17599

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 ccatttctta ggctgctgag ttgtccattt tcatgaacga taggaggata agtactcaag 120
 tcaaagcctc agcacaagcg cgacaagtgg gacgacaaat atccatatca agtcctggat 180
 ttatctatga accctatgaa cctcgtgaga aaatcccatt ttggaagaga tggttcacta 240
 gaagtgggtg gagaagaaca 260

<210> 17600
 <211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959802H1

<400> 17600

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 gctacagttc tggtagcata tgaatgccat ggctcagact ac 102

<210> 17601
 <211> 74
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959803H1

<400> 17601

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<210> 17602
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959805H1

<400> 17602

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 ggattcaatt gtttcagggt cgtgctttcg cccctgctgt gctggattca attgtcacat 120
 ttggattcga ttgtttcaac ccctttcagg ttgcagaca catcatgtag atattttag 180
 ttctatgttc ctcatgtttt aaaatacacc agtgacaggt aaggaaccat gtttttagctt 240
 tatgtgtga 249

<210> 17603
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959806H1

<400> 17603

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 atcgccaaac aacctcaaaa atcattcatc aacgttçact attaatccat ccatcattaa 120
 gtaagaaaat aagggttcgat ttttttatct ttgttttgct tctgatccat catggagggtg 180
 ccgagttcct gggatgcctt tcgcaaacag gcaagaaaac ttgaagctca gttggatgag 240
 cagatgaatt ctt 253

<210> 17604
 <211> 251
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 <213> Glycine max

<223> Clone ID: 700959807H1

<400> 17604

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tattttcttct ttttttttct tttctgtttt gctgttttct caatgaaatc ttcccctctt 180
 catgatctgt ctccagctata tattgatttt gctgtttgtt tgtttgtgat caaaattggg 240
 ttgattccat t 251

<210> 17605
 <211> 253
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 <213> Glycine max

<223> Clone ID: 700959808H1

<400> 17605

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 gcttttccca caactttgct tgggtggaat agctgaagca ttcaatgcaa taggccaaaa 180
 tgagttctat tacacagagt ttcctaggac catgtccagt gttgctgctt ccctttctgg 240
 actgggaatg gct 253

<210> 17606
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959811H1

<400> 17606

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 attggtggtc acaacttgac agtagtggag gttgatgcag ttacacaaa accattcacc 120
 actcaaacca ttctaattgc acctggtcaa accacaaatg ttctagtcaa ggccaaccaa 180
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 agcaaag 247

<210> 17607
 <211> 250
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700959813H1

<400> 17607

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gaaaccacac ttatgttcca attactgaaa aaggttactg gcagattgaa atgggagatt 120
ttttcgttgg aggtgtttca acaggtgttt gtgaggggtg ctgtgctgct attgtggatt 180
caggaacatc tttgcttgct ggtccaactc ctgttgtggc tgaaatcaac catgccattg 240
gagctgaagg 250

<210> 17608

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700959814H1

<400> 17608

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gtagcaccca aatcttctct atccaccgag ccacctctca agcagcaaca accaaaaccc 120
gaaaatcccc ctcaagaata cgaagaagtc gaagaggaag ttgaggaaga agaggtagag 180
gaagaggtcg aagaggaaga agaagaagaa gaggaggacg aggaagaaga ggaggaggaa 240
gaagaagaag aagaa 255

<210> 17609

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700959815H1

<400> 17609

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actttgagca aagccggagc aaagctttca gtaacatggc tggttggttat aacaacgtgg 180
atgttgatgc tgcaaacaag tatggtgttg ctgttggaat tactcctgga gtgctcactg 240
agacaacagc tga 253

<210> 17610
 <211> 245
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700959816H1

<400> 17610

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 aagcagttga tgatggtaaa taaatgatta tgattattcc gtactctctc tctctatctc 180
 tctctgcata cttatgccgt gtctccact ccactctaca ctaattaagc gngctcacac 240
 tgcca 245

<210> 17611
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959817H1

<400> 17611

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 ctctattgtg gaagagattg gggaggaaaa gggtgtccaa gttataacag gcaatggaag 180
 caactatgtt ttggcaggta aatttcttga acgaaaaagg tcacatttat attggattcc 240
 ttgtgcagcc cattgcat 258

<210> 17612
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959818H1

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cacaccgacg tcgtgacggc gattgccact ccgacgcaca actccgacat gatcgtgacg 180
 gcgtcgcgcg acaaatccat cattctctgg cacctcacca aggaggacaa gacctacggt 240
 gtcccccgcc gccgcctc 258

<210> 17613
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959784H1

<400> 17613

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 atcccttcat taccagaata tttggctgat tactgctctt tggcacgaag aaaatggcct 180
 gttgctgaat ggaagttcta tgttgccctt tctttcttcc gggcagcttc aatttatgca 240
 ggagtgtata atagatgggt taagggt 267

<210> 17614
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959757H1

<400> 17614

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 gacagtggga tttgtcaa atgtggtgac accattggat taacggctac tgggtgacctc 180
 tttgttgctt gtcagtgtg tggcttccca ctttgcatt cttgttacga gtatgagctg 240
 aaaaatgtga gccaatcttg tccc 264

<210> 17615
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959758H1

<400> 17615

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 aagaaacaga agagagattc agttgaaaaa catcgggcgt gagattgcca agctgcttga 180
 gactggccaa gaagccacgg ctggaattag ggtagaacat attataagag aggagaacat 240
 gatggctgct caagaaatca tt 262

<210> 17616

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700959759H1

<400> 17616

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 ccgaagtcgg gagggtcagc atgaggaaga ccgtcaccaa gcaggcctcc tccggaagcc 180
 catggtagcg cccagaccgc gtcaagtact tgggccatt ctctggcgag ccccgctcct 240
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<210> 17617

<211> 105

<212> DNA

<213> Glycine max

<223> Clone ID: 700959760H1

<400> 17617

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 aagggttggt ctagttaatg tatagtagca aagtgttaca attca 105

<210> 17618

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700959761H1

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 aggaagagtt tcagttggca ttgttcaaga caaataaaaa agaaagtctg tttgctgac 180
 gggatattga tttatttgac acaaagcaca atgggatact aggttttgaa gagtttgctc 240
 gtgctctctc cgtttttcat 260

<210> 17619

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700959762H1

<400> 17619

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 gggtctagcc aagtcattgc tcaatactac caactaattc gccttggttt tgagggatat 180
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<210> 17620

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700959763H1

<400> 17620

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 tgcttccttt tgcagccaac taacggatgg ctgcttgtct gcaacaactg tctcatgccc 180
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<210> 17621

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<210>	17622
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<223> Clone ID: 700959765H1

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<210> 17623

<223> Clone ID: 700959767H1

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7674

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 accaaatgac attacctggc tctgcatctt gactatatgc agagaggaat acctggtgct 180
 ggaaaccaac ctgtactgca caattcacct aatattggac cattgtctaa ccctaatacta 240
 ccatgtcaat caagcattgg ggggtggt 267

<210> 17627
 <211> 96
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959772H1

<400> 17627

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<210> 17628
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959773H1

<400> 17628

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 ctcttcccat ccaaattccc caccagaccc atcaatgaat cttttccctt cacccttacc 180
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 agttactcat gctctgt 257

<210> 17629
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959774H1

<400> 17629

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 caaccagctc ctcaagtctca tcatcaaacac cttctactcc aacaaggaaa tcttccttcg 180
 tgaactcatc agcaacgcct ctgatgcttt ggacaagatt agatttgaga gtttgacgga 240
 caagagcaag ctcgatgctc a 261

<210> 17630
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959775H1

<400> 17630

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 aagctgatgg ccttccttct tggatgaacc atgaggaccg aagggtattg aaggctatgg 120
 ataacaaacc tgcacctaata cgtcaccgtg gctaaagatg gcacgcggaga cttcaaaacc 180
 atctctgaat gtttaaagtc tgtccctcaa aattttgaag gacgttatgt gatttttggt 240
 aaagaaggag tatacgatg 259

<210> 17631
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959776H1

<400> 17631

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 tgattctcat gccaaactat ttgaggaaca ggaagctcca gggtcagat catttttcac 180
 ggagattatt gcttctatct cggacataaa atttggaag gatggttagat acatacttag 240
 tcgtgattac atgacttt 258

<210> 17632
 <211> 257
 <212> DNA

002250"CTT550

<213> Glycine max

<223> Clone ID: 700959777H1

<400> 17632

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tgggtaaattg aatgggttttt gagcaacagc agttaaaaga gaaaagggat tcagcgaaga 120
tgacatcggt tgggtgtggca ccaacttcgg gtttgagaga agccagtggg catggagcag 180
cagctgcgga tagattgccca gaggagatga acgatatgaa aattagggat gatagagaaa 240
tggaagccac agttgtt 257

<210> 17633

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700959778H1

<400> 17633

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ctctgaatgt caaagtgaag aaattcaacc aagcgcgggt aaacggcggg agtaactatg 120
actctcttaa ggtagccaaa tgcctcgtcg tctaattagt gacgcgcatg aatggattaa 180
cgagattccc actgtccctg tctactatcc agcgaaacca cagccaaggg aacgggcttg 240
gcggaatcag cggg 254

<210> 17634

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700959779H1

<400> 17634

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gtctccggcc gccgtgacct cgctcgagac tttctccggc tgccctccga aactgataac 120
gacgacaact tcaagggcac ccggtggggc cgctctcttc gccggttcca atggttactg 180
gaattacaga catcaggctg atgtttgaca cgctatcaa atattgagga aaggtggtct 240

gaaagaagaa aatattattg

260

<210> 17635
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959780H1

<400> 17635

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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
 tacatcaccg tcttaaccgt t 261

<210> 17636
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959781H1

<400> 17636

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 gtattcatcc aagggaagga gaacagagaa caacagttcc atctatggtt cgaccccacc 180
 aaggacttcc acacatactc cgtccactgg aatcctgcaa gcatcatatt ctctgtggac 240
 gggacccac taaggaggtt caagaatttg gag 273

<210> 17637
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959783H1

<400> 17637

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gacgatgggg tccatccccg atccaggcga gttgagcgag ttgactcagc cgagcttcga 120
 cgagttccag cgccaaactt ccctcatgac cagctgcacc ctctcttgga aggagctctc 180
 cgaccacttc tcttccctcg agcaagacct caaccacaaa tccgaagacc tcaaacgcaa 240
 gattcgcacc ctgcacaaca ctacttcga 270

<210> 17638
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959756H1
 <400> 17638

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 actcaacaag taaatgatta gactaaatgt ctactgttcg ctaattccaa gtgcaagaca 120
 agccagacct ggcagcagct atggctcctt gatgcatcca taatcacaaa gcttcaaaat 180
 tttctcatcg gatttccatc aaggctaagg ccataaaaga tgagatggac ggagaaacaa 240
 gcggatcttc aggacgtagc tgggatcctg 270

<210> 17639
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959726H1
 <400> 17639

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 agtgctaaca tggagagaat catgcagtct caaactttgt ctgatgctag caagcaagca 120
 tacatgcgcg gcaagagggg tcttgagggtc aatcctaggc accctattat caaggagctc 180
 cgagagagag tagtaaagaa ccctgaggat gaggggtgtga aacatacagc acagttgatg 240
 taccagaccg cactcttcga aagtggc 267

<210> 17640
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959727H1

<400> 17640

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ccgtttctct ctccaacggt aactgcattg cccctttctc tctctagagt tctttcctat 120
ttcaatctgt tgcatttggt ttcatgttca ttttttctg tgtgattctg ttgcattgca 180
cgtggtcattg ctaaaaatct gtttttgatt ggaattctga gggccccaga agtcatttg 240
atctgggttt ctcttggttt tgtgt 265

<210> 17641

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700959728H1

<400> 17641

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tcttcacta tgcattgcgc atctctgcgc ttttgggttc ccttggtgct gcttgctagc 120
ttcagctatg ctcttctgt ttcggccaca actgaaattt cagggaatga agtgaacaca 180
gatgggaagg tgataaatga agagtttagc aaaccaagtc taaaaggaca tgatgaagaa 240
gcaaagttca aaggattttt tcca 264

<210> 17642

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700959729H1

<400> 17642

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gcgaagaaga tgaggcataa cagacccatc ccttattgga tccgcatgag aaccgacaac 120
actatcaggt acaatgctaa gcgcaggcac tgggcgcgc accaagctcg gattttaagg 180
tccatgtcaa cctccgactc gagattttta tattgttttt gttattctag aatgttacta 240
gcaatgtgta aactggaaag gtttt 265

<210> 17643
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700959730H1

<400> 17643

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accaaatagaa aaatattggg ttgttttttc ttgggtggtg tggctacttt tgtggtggca 180
gccacagctg gtagctttta ccaagacttt gaaataacgt ggggtggtga gcgtgccaaa 240
atctatgaga atggaaacct tctcac 266

<210> 17644
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700959732H1

<400> 17644

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ggcctactt catttgcacc aatcggtgaa atggccatga caatagttga gcagactgga 120
ggccagtacc atgttttggg gatagttgag gacggccagg taacaagaag tattgacact 180
gagcatggga gactaagtcc acaggagcag agcactgtgg atgccattgt tgaggccagt 240
aaatttcctc tttcaatcat attggttg 268

<210> 17645
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 700959734H1

<400> 17645

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ccgtcgtcga ccttccaaat ggcttgattt aatgtctctg aacagcaaac acatgaacct 120

tcttcgaccg tcatcgccac caccaacaga ttccgtctac ataagaattt ttttaataac 180
 tgcaacggtg cctctgttcc acggaagcta cggtccgtga cgaaaaaacg gggtcgcgaa 240
 tccatgttac ttgattcaga aaagttgaag catacgat 278

<210> 17646
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959735H1

<400> 17646

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 tcataacatc aaattcgtat gtgcttttgc ttaccctaaa atctccatcc ctacaaaaag 120
 aagaagaaaa acaagaagaa gtttaacatg tcagctgccg tggccgcttc cgctgccgcc 180
 gctaccatgt cgggttacca ccacaactcc tcctcgagac aacaacaaca catagaccat 240
 gaattggcct taacaccaca acgagtgtgt gtctctccac 280

<210> 17647
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959736H1

<400> 17647

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 gcgaagaaga tgaggcagaa cagaccatc ccttattgga tccgcatgag aaccgacaac 120
 actatcaggt acaatgctaa gcgcaggcac tggcggcgca ccaagctcgg attttaaggt 180
 ccatgtcaac ctccgactcg agatttttat attgtttttg ttattctaga atgttactag 240
 caatgtgtaa actggaaagg ttttagcttt tggtcac 277

<210> 17648
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959737H1

SECRET

<210>	17649
<211>	271
<212>	DNA
<213>	Glycine max

<400>	17649					
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gaacatgaga	cttggatttg	cttcttggag	attcatccta	tgcaccctag	ttgtcttttt	120
gattctacaa	gacagtgtag	ctagaaagat	agctacaaca	tctgggaatg	aagttcaact	180
gaaggcagta	tcctatgatt	tgcaaaagct	tgcaacagag	ggtcttgtac	ttgacagtat	240
tattcagctt	gaaggcgctg	atataaaaag	g			271

<210>	17650
<211>	266
<212>	DNA
<213>	Glycine max

<400>	17650					
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ttgaattttc	aaaaatcaag	gaagtttgaa	gagagagaaa	ttctggtggc	atagtaaaga	120
agcactaact	tacattgctc	atgcatactc	tgattaagtc	cctgtgcaag	accttgtctg	180
gaatatcttg	ttcactggcc	tacattggct	catgttgagt	gtcatttggt	tttattatta	240
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7684

[illegible]

<400> 17651

<210>	17652
<211>	273
<212>	DNA
<213>	Glycine max

<400>	17652
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<210>	17653
<211>	262
<212>	DNA
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<400>	17653
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7685

0022013-032200

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 cagcaatcac ttccggtgct aaaccttcca atgcttgta gcacgaagct gaagcagcaa 180
 aaaccatgct tatgtggcta cctcaaaaac gctagcttca agcagtatgt taactctcct 240
 aatgcccga aaaccgttgc ttcttgtggg 270

<210> 17657
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959750H1

<400> 17657

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 tccgcttccc accgctcttt caacaccaac gccatggggc agtatgacaa ccgcgccgac 180
 gaccacagca ccgacatcga tcgtcactcc gaacgctctt tccctagcac tgcgcgccgc 240
 gacgatatct tctcagatgt gttggatcca ttttttccg 279

<210> 17658
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959751H1

<400> 17658

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 ttatccgcac aaaatgacat acaagaatct gatatagagt tggataatgc tgatgttggt 120
 gaacctgata atgacctcc tcaaaagatg ggagatcctt ctgctgaaat aacggaagaa 180
 caaagggatg ctgcacaact agcaaatca aaagcagtcg atgctatgtc acaaggtaat 240
 ttggatgaag cactggccca actgacagaa gcc 273

<210> 17659
 <211> 275
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700959752H1
 <400> 17659
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 ctttgtgttt cagattcagc agcaactctg cccgcatgcg tgcgtgaggt aagatgaaaa 120
 ctacttcaaa tcaaggttgt tgtacacaca tatgtaaaat atcttgaatt cgaagtgtga 180
 aggatttgct gagtttccca aagacatgtg gtcagcctgt tttcggcaga aatgaagaac 240
 tcccagagca cacaagaatt acagtccccg gctca 275

<210> 17660
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959754H1
 <400> 17660
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 gagaagaacc gtaaagagat ctgcaaatac ctcttccaag agggagtttg ctttgccaag 120
 aaggacttca atctggcgaa caccgggaga ttgatgtgcc gaatctgcag gtgataaagc 180
 tgatgcagag cttcaaatac agagagtacg tgagggaaac atttgctggg atgcactatt 240
 actggttcct caccaacgat ggaattgag 269

<210> 17661
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959755H1
 <400> 17661
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 attaggaaaa atatcttggt aagttaaagg tccatttccc ttcattagtt gactatgttc 120
 tgaaaaaaga gtcaggaggg agtgaaggag agattaataa catttgatga agaaaagggg 180
 aggagaaagg aaatgaaaaa aaaaatccaa aaaaactata cttgtttgta tgtagtgctc 240

268

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<400>	17663
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<400>	17664
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[illegible]

003220-03220

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aaatactatg acatgtgctg cccgtttggg cttaaagcca a 221

<210> 17665
<211> 222
<212> DNA
<213> Glycine max

<223> Clone ID: 700959690H1

<400> 17665

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gtgtgtgcgt ggattggtga atttgagatt gaagaagatg atgcaggctg gacccggcgg 120
catggcccaa caagcgaacc agctatacgc acagcaacag caacaacagc aacaacaggc 180
ctacatgatg atgccgccgc agcctcagcc ccctcagatg tg 222

<210> 17666
<211> 223
<212> DNA
<213> Glycine max

<223> Clone ID: 700959691H1

<400> 17666

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aaataataac acccatcaaa caaaccacac ttctccccct cactttgaaa acacctcaat 120
caatctcgat gatcatggca gcactcaatt caagcacttg tgccaaacct caattccctc 180
accctctctc ctctcttttc tcttcttctt catcattaac aag 223

<210> 17667
<211> 223
<212> DNA
<213> Glycine max

<223> Clone ID: 700959694H1

<400> 17667

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tccagaaccc cttctggaat ttcaaaaact agtccttcac ctgttccttc caacttatct 120

attctgtcat atagtgaagc aagtgatttc tcaaattcttc caacaccaag gtctgagggc 180
gaaatcttgt cttccccaaa tcttaaggcc tttaccttca atg 223

<210> 17668
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: 700959695H1

<400> 17668

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accttcgata cccatttcgc cccatccccg aaagtcaacg tatttgcgaa cttccccggcg 120
aggaggcacg tgggggttcg agtttcgaac gcgctgatcg aaccagacgg aggggaagctg 180
gtggagcttg tggtagagga taattcagaa agagacttga agaag 225

<210> 17669
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 700959701H1

<400> 17669

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ccgctagtgg acatggccag actcttcgcc ttgcacgacg tcgacgtcac catcatcacc 120
accgcacata acgccaccgt tttccaaaag tccatcgatt tagatgagag tcgagggtcgc 180
cccatcagaa cgcacgttgt caacttcccc gccgcacaag tgggtctccc cggtgggac 240
gaagccttca acgtcgatac gcctcgggaa atgaccccca gaatctaca 289

<210> 17670
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 700959703H1

<400> 17670

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 actgagtagt tgaggatggc tccttttgc tttgcaacat tgccctcttc tcacatctgc 180
 cgccctccaa agcccacaaa cttgaagttt cgagttcgct gctctactgc cgcgtcttct 240
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<210> 17671
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959704H1
 <400> 17671

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 ttgtattcaa ccatggctac ctatagttgg tcaactgaga tattttcatt tttggttcta 120
 acgttggtgt cgacaagcag tcacacaatg gttgctggag cacgcaatct tctcgaatca 180
 accttgtaa aaccagaagt gccaacactt cccaaacctc atgagttgcc accattgccg 240
 gaaatccctg aattgcccaa gtttgagtcg cctaagat 278

<210> 17672
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959705H1
 <400> 17672

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 atcaccactt ctgcactatt actacgcaga tttagtgatt tcgtcaatct cttttctcaa 120
 ctgaaaaagg aatttcccat aaaagatctg cctacacctc caccacaaaa gataccaaga 180
 attaaaagtc aactgtgtt ggaagagcga cgccttttat tagctgattg gatggaaaag 240
 ttgttatcgg acgttgatgt atcaagaagt gccccgggtg 279

<210> 17673
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959706H1

<400> 17673

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agcaattctt ctcatcgtag gggaaaacat gaagttctgc aaaaagtatc aggaatacat 120
gcaaggccag gagaagaaac ttccatgtgt aggattcaag aagctcaaga agattctgaa 180
gaagtgcagg agaaactctt catccctgaa accccttaat gcatcccttg ccgccaaaaac 240
ctgccccgac cattgcccag gtaatcaaaa tg 272

<210> 17674

<211> 259

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700959707H1

<400> 17674

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gcctatcagt tgaagattag aagtccatgc taacccttc ctttaaaatc ttctaccctt 120
tatccatttt ctactacccc atctctctcc ctttcccatc tacttctaaa ctttcatcaa 180
acataactct cttcctagag ggacatanat atttttgtag cataggactt atttgattct 240
cgtaattca caccacaag 259

<210> 17675

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700959709H1

<400> 17675

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agtggagtaa ttcattctct ggtgtttgat tccgcatttc cattttttaa tttctctgtc 180
tcccatgtaa gaaatgtttg attggaacga cgaagagctt gctaacatag tatgggggtga 240
ggtgggtgag ggtgatgatc atattgtgcc tt 272

<210> 17676
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959711H1

<400> 17676

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 gtcgagtcct ccgacacaat cgataacgtg aaagctaaaa tccaagacaa ggaaggcatt 120
 ccaccggatc agcagcgttt gatcttcgcc ggtaaacaac tcgaagacgg cagaactctc 180
 gccgattaca atatccagaa agaatcgacg ctccacctcg tcctccgctc tcgcggtggc 240
 atgcaaattc tcgtcaaaac cctaaccggt a 271

<210> 17677
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959712H1

<400> 17677

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 catatttact gatattggcg catttctttg agaaagttac taattcctag atagaggcaa 120
 aaatgttggg aattttcaag gagaagttgg ttaaagcacc caaagagctg aacagtccag 180
 cttcgttgaa ttcatgcact aagcctaagc taagtacga aatccttcag gatttcatgt 240
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<210> 17678
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959713H1

<400> 17678

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acaggccgag cgatacgaag agatgggtga atcaatgaag aacgttgca atctcgacgt 180
 tgaactgact gtggaggagc ggaatttact ttctgttggg tacaagaatg tgattggtgc 240
 tcggagagca tcgtggagga tcctg 265

<210> 17679
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959714H1

<400> 17679

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 acttcaccaa agaagtactt tgtacgacct aataccggtg ttgtacatcc atgggaccta 180
 tgtatcatca gagtcaccct ccaggctcaa caagaatacc ctccagacat gcaatgcac 240
 gacaagtttc tcttgcagag tac 263

<210> 17680
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959715H1

<400> 17680

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 ttgagaattg tttgatatgg tcgtaacttc gacctatagt ttcatggggg taattacact 180
 tttcttctct taggttaggc tttatttggg agttttgaag atggagtgga gtgattggtt 240
 catgattaat tggatttgaa tgggggtga 268

<210> 17681
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959716H1

<400> 17681
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 aacacaaggg aaggacatac cttttcaata tggtaatata ttctattgtc tttcactccc 180
 atatgagcga tcagccaaaa gtaaaggaac tccttgtata taatatggtg atgtcttggt 240
 gagttattac tgagagatat tttcaatgtg 270

<210> 17682
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959718H1

<400> 17682
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 aacgatatgc ctagatatgc attcaaggag tatctccaa tttgttactt atcttaaaat 180
 tttattaact gatacatttg gaatacaact gccttccaaa aaagagcaac ccacttgga 240
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<210> 17683
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959720H1

<400> 17683
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 tgcctatgtc gaatgcttca ttgcttgatg aggggtactgc tgctgctgaa gcaatgtcta 180
 tgtgtaataa tattcagaaa gggaagaaga agaccttccct tattgcaagt aactgccacc 240
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<210> 17684
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959721H1

<400> 17684

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 gatgcgagg accaccacct gctcaacgag gagcaccact tctccgcctt caagacaaag 180
 ttcggcaaga cctacgccac gcaggaggag cagcaccacc gcttccgtat cttcaagaac 240
 aacttgcctc gcgccaagtc acaccagaaa ttggat 276

<210> 17685
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959722H1

<400> 17685

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 atccatgcct actgaatttg cagaagactc accatgatgat cttgttgctg ctgatgggaa 180
 aactacactg aatccttctg agtggacttt ttacagagag attcagtggg attaggttgt 240
 taggttatca actttaatca taatcatttg ctctg 275

<210> 17686
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959724H1

<400> 17686

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 cactgtgacc catttctgta tcttctggca aggttctatc cgtttcttct tttggatcac 180

002220-0350

ccttttcact gttcgactcc ttcttgctat ctgcttcgtc aatctgatta ttcattgggtg 240
aaaagctaatt ttgttcactt gaataggtgt ac 272

<210> 17687
<211> 222
<212> DNA
<213> Glycine max

<223> Clone ID: 700959684H1

<400> 17687

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tttctgggaa gatccacgac cagattcct cgtcttcgtc ggattccgac aacgacaaaa 180
ccagcgccac tgattccttc aagtctaatt ttttcaggct tt 222

<210> 17688
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700959641H1

<400> 17688

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ttcggggaggg aacaaaaaaaa aaaggaaaag atgaatagct acagctacta tgggtaccaa 120
gagaagaaca ccttgacaag ctgtgaggag acgaggatgg aatcagtgat ttgccccaaa 180
cctcgccgat tgggtctcat aaaccactct tccatcaaca cagaagtcgg 230

<210> 17689
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700959642H1

<400> 17689

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tatatccggt tagaacgacc tccattaaca cagatttgat tgtgtccaac ttctagttga 120

caaagtcaaa acatatatgt agactttatg catttcgttt tattcttttt caaactagag 180
ttagtggaag aacatgatta gctagaaaga agttactgat atataga 227

<210> 17690
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700959643H1

<400> 17690

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aacttgattg gcctttgctt aacatcacct gctatgtcat ataccacaga agattagtta 180
aaagttacag aaaagtgcac tcttcttctt tcccttgacc cgtatactt 229

<210> 17691
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700959644H1

<400> 17691

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tcagcttggt gttggaaggg ttagcatgag gaaaacagcc tccaagactg tttcttctgg 180
aagcccatgg tacggcccag accgtgtcaa gtacttgggc ccattct 227

<210> 17692
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700959646H1

<400> 17692

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atccaataat agagccttag aagatagata gaaagccatg caagcatgtt cctcctcaga 120

cgctccactc tccaagaggt tagatggcaa agtagcactc ataaccggcg gagccagtgg 180
catcgggtgaa gccaccgcca agcttttctc tcgccacggt gccaaggtc 229

<210> 17693
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700959647H1

<400> 17693

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ggaggggttaa cgtggaaggt ggggaatgga gccaaaatca agttttggga ggatgtttgg 180
agctatggag acacaccgct tctggcaaaa taccacagat tgta 224

<210> 17694
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700959649H1

<400> 17694

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caatgttccg tttctctctc caacgggaag aacttttttt ttgtgtgtgt ttttgggtgg 120
gagtttgtaa gaagcaatgg cacgcaagaa gatcagagag tatgactcca agagattgtt 180
gaaggagcac tttaagagac tctctggcca ggacttgccc atcaagtccg cacaagtt 238

<210> 17695
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700959650H1

<400> 17695

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tcgggtagaa agtagtgcct gccctataat ggcatctgag gagtattcta agcaaatga 120

002220.032200

ttggcaggag tgggctgaga ggctaatacag tgatgatgac actttgacta ctaattggaa 180
tgaccttctt gctgacaaca ttcaagatct tgagccaaag attccaggac at 232

<210> 17696
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700959651H1

<400> 17696

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ttaaataatt ttctgtcttt atgcttcatt tttttaaagt tatactaact aactcatctt 120
tgtctatcat attaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg gcccccgtaa 180
agggggccgt tgaaccgggg atttatttcg ggccgggcac tgggggggga ac 232

<210> 17697
<211> 230
<212> DNA
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<223> Clone ID: 700959652H1

<400> 17697

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caccaccatt tcccatggcc tctgtttgga cactgcactt tcgctcgctt tctcttcgtc 120
catgcctcta cattagtcgc agtaacagta gcactgccac tagaaattgc attagcatca 180
gaaatggaat ctccaattgg cgctctggca cccaacaact caaacacgat 230

<210> 17698
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700959653H1

<400> 17698

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ccctatTTTT cagcgggtcg acgcccagca gagctgctaa ccctttgatt caggatgctc 180
gatttaggga tgcgaatttt tgcccgtct caccaccgtc gtaggtggtg 230

<210> 17699
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700959654H1

<400> 17699

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tggaagaagat tgcacacacc aaccaaata ggtttctaga tagagcaagc attcatcagg 120
aaaacatcga gtcacagcaa tggaaagttt gcacagtgac acaagttgaa gaagtgaaga 180
tcctaaccag aatgttacct atactagcca gtaccattat aatgaa 226

<210> 17700
<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: 700959656H1

<400> 17700

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agcagattct atcttaagtt atggatgaatt gggagacatg gaagaaaatg aatggcagat 120
ggtgcaaacg aaaggaaacc aatttgtggt gaacgaccaa cctttctatg ttaatggatt 180
caacacatac tggttgatgg tatttgcctgc ggatgagtc acaagagg 228

<210> 17701
<211> 208
<212> DNA
<213> Glycine max

<223> Clone ID: 700959658H1

<400> 17701

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tgaaggctca agaattgaat gggcacatca ttgacgttgt gaagatagga acaatggaac 120

cgaatcacgg tgggtgctgtt ggcaaagttt gatattgattt cgtcattgag attatatgaa 180
tgtggagaaa caagggatca atgacaag 208

<210> 17702
<211> 80
<212> DNA
<213> Glycine max

<223> Clone ID: 700959660H1

<400> 17702

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catcgaccat ccactaaacc 80

<210> 17703
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700959665H1

<400> 17703

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ggtgagcaac ctacccccat gcatttctta tgtgctcaat ggtggcaaaa ccgtgcctgg 120
cccttgctgc aatgggatca agaccctctt taacctcgct cactccacac cagaccgcca 180
aaccgtttgc aagtgcataa agaacgctgt tagtgcgttc cattatggca agtca 235

<210> 17704
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700959666H1

<400> 17704

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ctgatggaaa agatcgggtt tctgccaaaa gttcgaaggg tgtgtctaca aacagtgggt 120
ccaaagcagg agacaatgga aaggcaggct caggttctgg aaatgatggg gtctcacaaa 180
gctacaaaca agaaaggag ttttaaccaa atgcttggtg atggagccaa tg 232

<210> 17705
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959668H1

<400> 17705

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 aaggcatata tgttgaatt atatcaagat acactttag atcttctgtt accgaagaat 180
 gcaaagcggt taaaattgga tattaagaag gattccaagg gaatggtagc 230

<210> 17706
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959670H1

<400> 17706

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 gaggccactg tcacccctc cacctctttt gccatcactt cctcaccatc gtggtggtcg 180
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<210> 17707
 <211> 220
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959671H1

<400> 17707

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 cgctctcac gtgtcgaatt cctggaagcg tgcggtgtcc tctccctcg cccacgtcat 180
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<210> 17708
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: 700959672H1

<400> 17708

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tcaacattcc aatccaatcc aaaacgctgc gttttatttt gtattcaatt ctatcaatcc 120
caaaattcct cgccggagat agagaatctt aacaattcca ccactttccg gcgagacatg 180
gccgtcgccg tctccgtccc cgcccgccag aagccgagct ccgac 225

<210> 17709
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700959673H1

<400> 17709

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cccgttgccc atcgtccctt aaaccaccca cacttcaaag tcatgggtat tccatgggac 120
gacgtcgttg tgatacagca agggaaggat cacaatgagc cctgcatcgt caccgtcaat 180
tgccccgaca aggctgtgtc cggtgtgat ctttcagaaa tcatcc 226

<210> 17710
<211> 80
<212> DNA
<213> Glycine max

<223> Clone ID: 700959674H1

<400> 17710

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gctctgtcct accacaaaaa 80

<210> 17711
<211> 223

<212> DNA
<213> Glycine max

<223> Clone ID: 700959676H1

<400> 17711

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aggatggatc tggctcgcaa gtatgcattt ggaaagatgc tggtgattgg atcacaggca 180
ccatttaagg tgaaggggtt gtggcttttc cgtggacaag aga 223

<210> 17712
<211> 214
<212> DNA
<213> Glycine max

<223> Clone ID: 700959677H1

<400> 17712

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gatgttagct atggagggta ataagaagac taagcaatat ggtcttgact ctgccacttc 180
ttggtttggg agttgcattt cttcatgttc atca 214

<210> 17713
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700959678H1

<400> 17713

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gcttagaatg gcacacaagg aattttccat tgccctagtg actctcattg ttctctttgt 120
caacacgaac ctccaagggt ccacggctga ctatgggtgg ggttggcaga gtgctcatgc 180
cactttctat ggtgggggtg atgcttctgg cacaatgggt ggag 224

<210> 17714
<211> 226

<212> DNA
 <213> Glycine max

<223> Clone ID: 700959679H1

<400> 17714

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 cagacagctg catcaacttc atctttgtca tcaggaagtg gattatctct ttttagcaca 180
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<210> 17715
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959640H1

<400> 17715

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 ccgattcgaa tcgttcccag cctcgcacca ccatgaatcc cgaatacgat tatttggtca 180
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 <211> 185
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959682H1

<400> 17716

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 gaagattcgg gtactttatg agatgtagtg actgtgcctg ttgagcaaac taatgtggaa 120
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 aatga 185

<210> 17717
 <211> 220

<212> DNA
 <213> Glycine max

<223> Clone ID: 700959603H1

<400> 17717

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<210> 17718
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959605H1

<400> 17718

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 cgaccgttac tccgatcaga atggcgatcat gacagccact cacctccgaa gtttctctggc 180
 tgaggtgcag agggaagaca atgccactga ggaggaagca caaaccatca tcgatgg 237

<210> 17719
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959606H1

<400> 17719

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 atatgtcata ttgggagaga aggctaaagc tcaattgttg cgtgactcaa ggaaacaat 180
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<210> 17720
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<212> DNA
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<223> Clone ID: 700959607H1

<400> 17720

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 acctcgacgg tacgctctc atctcccgta gtcgttccc gtacttcattg ctgctcgccg 180
 tcgaagccgg cagcctctc cgcgccctca tctctctct ctcccttcg ttcgtc 236

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959608H1

<400> 17721

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 cccggagaca gccgcaggtt cctccacaag agggcctccg tgctcccgcc ggagctccgc 120
 ccgccgtgc ccgccggcag cctctccag aggtccggg aaatggacat tgccgggagc 180
 ggatccggct agacggtctc gctccgccg agactgaaca aacggtggcg ccg 233

<210> 17722
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 <213> Glycine max

<223> Clone ID: 700959609H1

<400> 17722

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 acaactttat cagaaccgtc aatctcgctt cctgcggcct ctctatgcc gtcgtcgcaa 180
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<210> 17723
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<212> DNA
<213> Glycine max

<223> Clone ID: 700959611H1

<400> 17723

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aagagtgtct cgctccctca ttcatgtccg atctgtacga cggaggacgg gtagttgcgt 180
aactgccgtt aacccttcgc cgcacgggtg gcgtggtgct ttgccttctg 230

<210> 17724
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700959612H1

<400> 17724

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gacgacgcgc tcgaatccgc catcaaaact taccagaaga acttcaacct gaacgtcact 120
ggcgtcctcg acgacgccac cgtgcagcag atcgtgctgc ctcggtgcgg cgtcgcgata 180
taatcaacgg cacaaccacg atgaacgccg ccaaggagaa cgagacggcg t 231

<210> 17725
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700959613H1

<400> 17725

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tcacggaatc tctctgaatc gcgggattaa gagaggaata tgcaacagag gctaaagttg 120
cagcaacaac aggccctcat gcagcaagct ttgcttcaac agcagcagat gtaccaccct 180
ggcatgctcg ccgctgctat gtctcagatg gagcctgttc caagtggaaa tgt 233

<210> 17726
<211> 232

<212> DNA
<213> Glycine max

<223> Clone ID: 700959615H1

<400> 17726

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caccctgcc agatcccat cacaacgcac catgggttagc accaagccta accagcttgt 120
ttgcaaggca cagaagcaag aggatattga tgtcagccca atctctcgcc ggtagctct 180
aacgtgctc attggtgctg ctgctgttg ctccaaagtc caacctgctg at 232

<210> 17727
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700959617H1

<400> 17727

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ggggactcag ctgcatgtt acttcagcac ggtggcttcg ttcaacgaat tggcaccaac 120
ttcgttctga gtaacaggca tttctacttc aacggattca acgcgtactg gttaatgtac 180
atggcatctg gccagccac aaggcccaag gtcactgccg tttt 224

<210> 17728
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700959618H1

<400> 17728

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acttgcgtca gttattccaa ttgctgatgg ttctgtcaga acagcactgg aactgggtg 120
tggggttgca agctggggag cctacttgct aaagagaaat gtgctggcta tgccttcgc 180
tccaaaggac aaccatgatg cacaagttca gtttgctcta gaacgag 227

<210> 17729
<211> 232

<212> DNA
 <213> Glycine max

<223> Clone ID: 700959621H1

<400> 17729

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 atggcaatgc catgcgtacg atatgttccc tctccgaatg aacactggct atggtgcccc 120
 tactccggag gtgaaatgcg caagttggag gcttgctgag gaagcacaca acatctttgg 180
 ctttgagacc attcctgaag agtgcgttga agcaacaaag gaatacatcc at 232

<210> 17730

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700959622H1

<400> 17730

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 tgaaagctaa gattcaagac aaggaaggga tcccacctga ccagcagaga cttatctttg 180
 cgggtaaaca gcttgaggat ggtcgaaccc ttgccgacta caacatccaa a 231

<210> 17731

<211> 66

<212> DNA

<213> Glycine max

<223> Clone ID: 700959623H1

<400> 17731

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 acgggc 66

<210> 17732

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700959624H1

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 tcagtgggtt tgcacaacta ggggagtggt ggggaagcttt taagtacttt gggcaaattgc 180
 agtctgttgg tgtggctcca tgtttgaaaa ttgttactag cttttgtca g 231

<210> 17733
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959626H1

<400> 17733
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 ttgaggttgt aactggatct gcaaagaaac agacaaagga gaagtcatca gagaacaatg 120
 gcaacaaatc aaagtccagt tcaaaagggc gaggatctga acccccaaag tattcaaagc 180
 tagtgaagga tgaggaggag ggattggacg aagaagacga tgacgagcat g 231

<210> 17734
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959627H1

<400> 17734
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 ctctcaatgg cttcggagca acacgacgcc gttttccgcg aagaagacat ggacgacgac 120
 gacgacgagt ctcaggagga cgaagagtac gaagaagacg acgacgaaga aaacgtgccc 180
 tctccctcca ccgctctcgc tgtcaccgtc gccgtccccg gttccgcgct 230

<210> 17735
 <211> 70
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959628H1

<400> 17735

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acactaaggg 70

<210> 17736

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700959629H1

<400> 17736

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ataaaaaaga aaatggaacg ctctacaaaa ctctctcgg cggcgttggt tctctgcgtg 120
gttgtgatgg cacaccagac agcagcacag gaactaaaag gaaataacct aatcaacaag 180
gtttgcacaa tcaccccgag cagagacctc tgcgttgga tcctctcatc 230

<210> 17737

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700959630H1

<400> 17737

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tactgaactt ggaattatgt gcatcaccgt cgccaagtct caatgaacgc tgtttggagt 120
ctcgaatttc tcgggaaaca aacacaatca atcgccgaa ctcaaacct aacgacaact 180
aatcgtggcg aatggcgggt tctgaagaag aatgctcttc tgcgaattca 230

<210> 17738

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700959631H1

<400> 17738

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cctccaaccc agaaccacc aaacccgtcg agccacagca acagaaccac gagactgttg 120
 aactcgacca acagcaaccc atccccgaac caaccctaga agactccaac accatggcca 180
 tccgcgaacc aaaacatgaa caagaagaag aaccgcaaaa cgccgaaagc g 231

<210> 17739
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959632H1

<400> 17739

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 gatcttcgtc aagaccctca ccggaagac catcaccctt gaggtggaaa gctctgacac 120
 catcgacaac gtcaaggcaa agatccagga caaggaagga attcccccg atcagcaccg 180
 tctgatcttc gccggttaagc agctcgagga cggccgtacc ctcgccgact aca 233

<210> 17740
 <211> 59
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959633H1

<400> 17740

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<210> 17741
 <211> 77
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959634H1

<400> 17741

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 ctttctggtg gcggtga 77

<210> 17742
 <211> 237

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700959635H1
 <400> 17742
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 ttcaatcagc agaagtagct aataatagtt gtagcagtaa atgattgatt acatgcaata 120
 ttcatcacia gtaacatcct gtgcatatga atgtataact aactgggtgag acttgtgaag 180
 gatatatgtg gcagttcagt gtcttttagtc atgtgttggt tatctttagt tctagga 237

<210> 17743
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959601H1
 <400> 17743
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 ggtatctcac tctactatga aatgactgat gaagctctca agagttttaa gggagagcgc 120
 aatgggaatg agtatcttat caatctcatt gactcccctg ggcacgttga cttctcatct 180
 gaggttactg ctgcactccg tattactgat ggagctctag ttgtggtcga ttgtgtgga 239

<210> 17744
 <211> 233
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959636H1
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 attggtccaa agcccccttc atagcctcct acaagggtt ccacattgat gggtgtgagg 180
 cctcagtcaa tgccaagttc tgtgacacac aaggcaagag gtggtgggat caa 233

<210> 17745
 <211> 228

<212> DNA
 <213> Glycine max

<223> Clone ID: 700959638H1

<400> 17745

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 actgagtcct tctgttgccg gggaaggcca aaataatggc cttgttatga acttctacaa 120
 ggaatcatgc cctcaggctg aagacatcat cacagaacaa gtcaagcttc tctacaagcg 180
 ccacaagaac actgctttct cctggctcag gaacatcttc catgactg 228

<210> 17746

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700959639H1

<400> 17746

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 attgccaaagt gctttatctt catctctgat tactctacat ggaagttctg taaagtgtat 120
 gccctgcctt ccatttagag ccctaagaaa aatcaactgg ataagagcta catctgctgc 180
 agatggagggg cctattgagt catcgccagc tttgggatc 219

<210> 17747

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700959557H1

<400> 17747

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 ctccgctttc tcattcttct ctctctcttg tccatcactt ccgccaaggt cttcttcgag 120
 gagcgtttcg atgacggatg gggaaatcgt tccgttaaata cagattggaa aaaagatgag 180
 aacctggctg gggagtggaa ccacacctct ggccaatgga atggagacgc taacgacaaa 240
 ggtatt 246

<210> 17748
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959558H1

<400> 17748

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 gagtcacaga ctcaccgatc ttccgattcc ctttctgtctt ggtttattag ctcgaaggag 120
 agaccctctc ttggtggcac gcggattaag acccgcaaac ggaatattgc tgcgccgctg 180
 gaccctgcag cattctcgga tgcagtggtc cagatttatt tggataatgc tggatgatctg 240
 gaact 245

<210> 17749
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959560H1

<400> 17749

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 aagcaacagg aggatctagt gaaaagacag aaaccagttc ttcagtagaa ttaaactctg 120
 gcaactttga tgaattgggtg atcaaaagca aagaactctg gattgtggaa tttttcgcac 180
 ctccggtgtgg acattgtaaa acattagctc cagagtggaa gaaagcatcc aataatttga 240
 aagggaag 248

<210> 17750
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959561H1

<400> 17750

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 aactctcctc ccggagaaat ccaatacgtt gccaaagatg tgaaatcgat tctcaacaac 120
 gacgatttgt acaaggaagc cgcttccgag gcttttccct attacaacaa atcgacttgc 180

095913 032200

atttccattc caatgcccaa ccgaagcgga gacgtactgg ttacttcggt cggtgagctt 240
gagggtaa 248

<210> 17751
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700959562H1

<400> 17751

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ccccattcgg tgcgggtgttt catggagttt gcagtcaccg aagggtgtgg ttcagccccg 180
ttcattcagg tcaagctcaa tttcacttct ctcttttcga tcctcgcagc ggcagagtcg 240
catcccc 247

<210> 17752
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959563H1

<400> 17752

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gtccttttga acttcaataa caatttggac tttttttag tttcataccc acataccgt 180
tggttgattt gcaactggtt tacttgctcc atggctcttc acataagcag tggttggttt 240
actgtgatgt 250

<210> 17753
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959564H1

<400> 17753

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 acttgcagga agacccccaa ctacaacggt tgccttgagt ctctgaaggc aagccctggg 180
 agctccagtg ctgacgtcac agggctagct caaatcatgg tgaaagagat gaaggcaaaa 240
 gctgactatg 250

<210> 17754
 <211> 85
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959565H1

<400> 17754

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 ctccactggt ggagctgtca acgga 85

<210> 17755
 <211> 118
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959567H1

<400> 17755

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 gaagggtctaa aaaattccat agattttctt ggtgtgaatt actacaccac ttattatg 118

<210> 17756
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700959568H1

<400> 17756

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 tattattcat tgagtattga gcatggaggc gccatctctc accaaaccca acgaccacc 120

aagttccaag caattggctg tgggatttgc acttggaat gaaggatagg caacgttgga 240
gagctgaa 248

<210> 17760
<211> 106
<212> DNA
<213> Glycine max

<223> Clone ID: 700959572H1

<400> 17760

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aattcgatcat tctcacatct cactcaatca ctactactt caacga 106

<210> 17761
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700959573H1

<400> 17761

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ggaaagaaaa tcgccatcat tgggtgtctca accttattgt tgggtggctat ggttgtggcg 180
gtcacaattg gggatcaatct caatgagaat ggttccacca atgatataga ggacaacaag 240
aaag 244

<210> 17762
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700959574H1

<400> 17762

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ggcgcgagac ggtgacactg gcagagtga atttccgccg ccattcgaag ctacagcgat 120
ggccataacc gccaccattt ccgttccctt cacatcccc agtcgccgca ctctcgctc 180

cgtcaatagc ctctctccgc gttctacccg atccactttg cccacaccgc aacgcacttt 240

caaat 245

<210> 17763
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700959575H1

<400> 17763

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tgacccatcg acaacgctct tccaacaacc ccagagagac ctaaaaaaca acccaaagtc 120

gctcttgcaa cccaaaagca acaagaccgt gctggcgctca atggcgaaaa catagttcca 180

ttgccctcat ctggggatgc cactgttgac tatgtctcct ccgacaacct taagcccttg 240

tc 242

<210> 17764
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700959576H1

<400> 17764

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agccctttcc cttctcagtt gtgatggatt cagcactgat gggctggctt caattgccac 120

taattgcaag aatttgactg aacttgacat acaagagaat ggtattgagg ataagagtgg 180

caattggttg agttgtttcc ctgacagctt cacatcattg gaagtattga actttgccaa 240

t 241

<210> 17765
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700959578H1

<400> 17765

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 tccgtcgcga tgcaaccagg cttcatctga ttccgatttc ccttogetcc ttctectect 120
 taacattcat cttcttcgat tctctacaa attatgatta ttattatgat gaactccatc 180
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 atcgc 245

<210> 17766
 <211> 65
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959580H1

<400> 17766

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 gcagg 65

<210> 17767
 <211> 66
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959581H1

<400> 17767

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 ttgggc 66

<210> 17768
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959583H1

<400> 17768

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 ctactacgta acattagttg agttgaggat aaggttgacg atccttgagg taccttcaag 120
 ccaatcgctg atcaccacct ctcccgatc agaatgcagc ctttcagaac ttttcaaaga 180

002250"ETTES60

tattgaaaaa acaaaaaccc atttaagtta gttttctttt ctgcatacat agcata 236

<210> 17769
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700959585H1

<400> 17769

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taagaatatt tatcgagct gcgaagagac gtgtagattg aacgagaatg gaaacctgaa 180
tgtgcctgta gagaaaactg atacattctg ccaaggacca tgtttgtcag agacaaactt 240
ggtc 244

<210> 17770
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700959586H1

<400> 17770

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ctctcacgcc ccaaccaccg ccacaccaa accttcctct ctcgatttcc cttcaattcc 120
cttctgggct ttgcaattcg gcccaattggg tccccaaatc tgcaaccttt tctctgtct 180
aacgcgaaac ggaagagaaa caccacata gagaaagaga aaaaaacgga gaggaagaaa 240
caattt 246

<210> 17771
<211> 80
<212> DNA
<213> Glycine max

<223> Clone ID: 700959588H1

<400> 17771

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ccacaccct cctcctcca

80

<210> 17772
<211> 132
<212> DNA
<213> Glycine max

<223> Clone ID: 700959589H1

<400> 17772

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cattgccata gatctgagac acagatcaca gggttaacgc tttttgacct ttctctccat 120

tggtcattcc ac 132

<210> 17773
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700959592H1

<400> 17773

aacaaatcca agagatagcg ccgagatgca tgctatttgc agatgacata gtcctccttg 60

gagagtcgag ggaggagttg aatgagaggt tggaaacttg gagacgagct ctagaaacac 120

atggctttcg cctaagcaga agcaaatcgg agtatatgga atgtaagttc aacaaaagta 180

ggaggggtatc taactcagag gtgaaaatag gagaccatat tatccctcaa gtcacacggt 240

tt 242

<210> 17774
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959556H1

<400> 17774

tttctttcca ttttccttcg ttttctctct ctttctcagt ttctcagttt cccagtcac 60

accatcgag cagcaagatg tggaaccaac cattcgaaa aaccgatttg gaaagcggtt 120

ctcggcctct gtatccgatg atgctcgaga gccctgaact gcggtggtcg ttcacagaa 180

002220"CTT2260

atacctcttc aaaccataaa aaaaaattaa aatgattcac ct 162

<210> 17778
<211> 110
<212> DNA
<213> Glycine max

<223> Clone ID: 700959596H1

<400> 17778

gcaggaggct ccttcactt agtcaactgc cctgtcggtc agagcgttga agctgtatca 60

ttctctgaac ttgaagttgg tgcagatgac agggctgttc tggatcaaat 110

<210> 17779
<211> 120
<212> DNA
<213> Glycine max

<223> Clone ID: 700959509H1

<400> 17779

ctctacccac acccaaacc aaaccaagtt ctttctttct aattcccttg ataatgtaaa 60

atcacagaaa aacaaaaaaaa gctactcaaa acttggctcc aattagcctt tctttttttg 120

<210> 17780
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700959510H1

<400> 17780

gagagacagg aaacaagaaa aaaaaaaaaa cttagaaaag aagagggaga gagaaagaga 60

aaataataag aaaaagaaaa cttgaaaact ttgagggatt gattagaaaa agggacatgg 120

agattctcat cttccaatga tcccttcaac cccacaaatt ttcccgtttg gatttggtgt 180

cacagcttga ttctccattg ctgcgattcc aacatcaaca gctaaaccaa acatctcttt 240

ctttctctct ctctctg 257

<210> 17781
<211> 250
<212> DNA

aaccctatga accttt

256

<210> 17787
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959521H1

<400> 17787

attttcttct tctgcaggac caaattgata tacaagatca ttgttttaga gagagagaga 60
gagagagaga gagagagaga gaggatgttt ggttcagaga aaactcctct gagagatgct 120
aaacctacct ctgttgacca tgcccataac ccctttgatt ctgatgaaga tacaaaagat 180
aacaagtata attcttctaa ggagactttg accaacacca acccctttga tgatgatcat 240
gttaatgccca ctggc 255

<210> 17788
<211> 194
<212> DNA
<213> Glycine max

<223> Clone ID: 700959522H1

<400> 17788

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aggggattcc attaacaagg ccctgttgaa ggacttctgg gaccagggtt ctgaccagag 120
tttcgattct aggctcagaa cattctttga catggttgat aaagatgcag atggaagaat 180
cacggaggaa gaaa 194

<210> 17789
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959523H1

<400> 17789

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tccttctgcc tccgcatgga cgcattcggg ttcttcgcct tcgtcagcgc caagacgaag 120

gagctcgacg gcctacgcgc cgagatgcct gtggctctgg cggagtgcgt tgatccggcg 180
 aaattcgtgc tggaggcgat ctccgaggtg tttccggtcg acaagagagg ggacaaggcc 240
 ggccacgact tgggc 255

<210> 17790
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959525H1

<400> 17790

cgtttattct atagccctga agatgtgaag tgaggatagg aacaaaatca aattgagaac 60
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 tctaccttgc aaacttgccc ttgagacttt agtaaccttg ggatatagag gaggattcaa 180
 atgttgctgc ttctgcaaat gtttcacttc aaatgaaagc agacttctta tagattattt 240
 cattggtcta ccc 253

<210> 17791
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959527H1

<400> 17791

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 tttgtatatt gcagatgcat attttgggct cctgaaggta ggacccgagg gtggtttagc 120
 aacatctctt gtaactgagg ctgaagggat tccattgaga tttacgaatg atgttgatgt 180
 tgatacgga gggaaatgtt attttacgga aagcagtgtc ctttatccaa ggaggaattt 240
 ccttcagctg 250

<210> 17792
 <211> 70
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959528H1

<400> 17795

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 aaattgaata agtaacaat ttaattggat tggtcgaatg gtatcaaaaa aatggagtag 120
 taactcccat ttcttattta ttattgaatt aaccgatcaa cttgctttgt tatcgaacat 180
 ttctttttga tttcaaaaat tttccggaaa aaatttgaat ctatttttat atgcgaatca 240
 atcctactac ttctggtcc 259

<210> 17796

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700959538H1

<400> 17796

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 ctctctctct agaacttctg cctccctctg cttctttctt tcttagttgc agcgcgattg 120
 ctgcatcgtc ctccaataag agctcgctgc tagtgaaccc taacacggcg gcaacgagag 180
 gtgttcgggt gaagctcaga tcagcgatgg cagcagcaac ccgcacttct ctgcgggtcc 240
 tcctctcagt ct 252

<210> 17797

<211> 69

<212> DNA

<213> Glycine max

<223> Clone ID: 700959539H1

<400> 17797

gttcacaggt tgtaaaaata tatccaaatt ctgacaactt tcgtaaagaa cacatattct 60
 ctttaagtg 69

<210> 17798

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: 700959540H1

<400> 17798

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tcagttgttg ctgttttaggg acactatcga gtttatagtt cagatggggg gtcaagaaaa 120
tgcaatgggg gggtttccac a 141

<210> 17799

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700959541H1

<400> 17799

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gtgaaagaga tgggtggccc gcaaattgaa aggaaaatga ctgagcagtt gcagcagggg 120
tgattgatga tgatgatgat gatgatgggt cttgctcgat ctaatctgaa tatgaagcag 180
cgattgttga gactttgtta ctattgggtc tctctgattc cgcaactatt gcgtctcttc 240
caaatgcttt gct 253

<210> 17800

<211> 132

<212> DNA

<213> Glycine max

<223> Clone ID: 700959542H1

<400> 17800

ctaccaacta ttctctctcg ttctctgatt tctgaaatcc ctcagccatg gtttctctt 60
ccctctctct gtcactctct ctcacccttt gccttgtttc cactctctgc tacgctcaca 120
catcttcctt aa 132

<210> 17801

<211> 65

<212> DNA

<213> Glycine max

<223> Clone ID: 700959543H1

<400> 17801

gtgacacccat gaacattaat tcaacttgccc gtgaatcctt ggtcaatgcc gacgggtatta 60
tagag 65

<210> 17802
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959544H1

<400> 17802

cacaaggcag aaagcaagct catcctagag ttttaaaaat ggcagcagcc tcttccatgg 60
ctctctcttc cccatccttg gctggcaagg ccgtgaagct gggcccatca gccccgaag 120
tcgggagggg cagcatgagg aagaccgtca ccaagcaggc ctctccgga agcccatggg 180
acggcccaga ccgcgtcaag tacttggggc cattctctgg cgagcccccg tectacctca 240
ctggcgagtt 250

<210> 17803
<211> 130
<212> DNA
<213> Glycine max

<223> Clone ID: 700959546H1

<400> 17803

acaagacggg atacgtccac atatgtttaa atccgtaata gctgccagcc atcctgaatt 60
ttcatctccg aggcaacagg acgccttaga attttctcta cattttcttg atcaagtcga 120
gcgagctaatt 130

<210> 17804
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700959548H1

<400> 17804

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gtcacatca agtcgtttgc atcaggaata atggtcccaa aagaatacat atggccagtt 120

aaaccagaca aatatctagg acttcccaca acacttggtg ctgatgccca taaatcagga 180
 ctagaagttt atgcttctgg ttttgcta atgacttctta ctagttatag ttatgactac 240
 gaccctgttg ccga 254

<210> 17805
 <211> 163
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959549H1
 <400> 17805

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 tactacccaa gttcaaaggt gtcccgagta tcatactcct caagattcat taaccttcaa 120
 tgaagctgca gtcttcaatg aggatgatat tcacactagc aat 163

<210> 17806
 <211> 206
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959508H1
 <400> 17806

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 tgttcacttc ttcttcttct tcttcttcaa tatcttggtt ctttgatatt attctattga 120
 gcaaaaaatg ggagttccag agagagaccc tcttgacaaa ttgagtttgc ctctggggtt 180
 taggttttac cccacagatg aggagc 206

<210> 17807
 <211> 161
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959553H1
 <400> 17807

cttcaacagt gttagctgat tgacaccatt gttctctctt ctgagcaaa atagtgtcat 60
 caaaggctct catcattgct aagctactga ttcaaaaaag cactccatga ataacaaact 120

acattagact acaaatcaga agccaagggtg agactttttt a 161

<210> 17808
<211> 140
<212> DNA
<213> Glycine max

<223> Clone ID: 700959554H1

<400> 17808

gctgagaagc atgctgccat agaagggtgat ttagttgtgc agccatcaga tgatcacttt 60
tggtttcacc ggccccgtgt tgcctcttt ttgattcact ttatcctttt ccaaaatgct 120
tttgagatag catttttttt 140

<210> 17809
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959555H1

<400> 17809

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gcatcttagg aggcaataag gggcacaaga tcaagggtac tgtggtattg atgagcaaga 120
atgtgttgga cttcaacgaa atagtgtcca ttactcaggg tggtttgggt ggtgatgcca 180
ccggcatctt cgggtgctgcc accggtattg ttggtggagt tgatgatggt gctattttca 240
tcttcagtcg 250

<210> 17810
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959472H1

<400> 17810

ggaggagtga cattgtggaa gaaagactga aggtgttcgc gatcggagac ttgaaaccc 60
tcctttcacc catttatccc aagcattcaa caatgtctcc gttatcgaag ctctcgttgc 120
tgatactgat gggttcatct cctccgcgat ggcctcctcc gacgagagag tgagcgaatt 180

gctctccctg caatccagat ccaaatcggg cgtaatccgg ctgaacgacc aatccctcgc 240
ccgcttcctc 250

<210> 17811
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700959473H1

<400> 17811

gaagatactg aggatgcttg caaatacata agttggacga tacttgatga tcgtcccatt 60
cgagttgatt ttgattgggg atttcaggaa ggaagacaat ggggtcgtgg gaggagcgg 120
ggccagggtgc gggatagtag cgactagat tatgatcctg gtagagggtg ctacgggaag 180
ctggttcaga aagagttaga agtaciaaagg cagctttag attatgggtgc tggttctttg 240
ggttcttttc caccagt 257

<210> 17812
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959474H1

<400> 17812

ggtgttatgg agatctgatt cttcaacgtc agcatcagca tcagcatcat cttcatcatc 60
atcatcacca ccagaagtgg catgttctga catgggtgag ttggagctgc taccagtgga 120
catcttgatg cacatctgag acttttgggt ccaaagagg ctgcaaagtt gagtgtgggt 180
tgcaaggctt tgagatccct tgtgtctgat aacagacttt ggattcactt tcttcagacc 240
catcaggctg agccc 255

<210> 17813
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700959475H1

<400> 17813

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 caatgaagag gtatctgatg atttgtgtat ttgatgagct tttatattaa tttgctatag 120
 agattctata accatttgat tattttctac ctgttttttag ggtctgactc ttttaggcca 180
 gttttatgtg aacatgggtg tcttggcagt ggcaccaaata ataatacagaa ctttgaatgt 240
 tgattaaaaa aggatgt 257

<210> 17814
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959477H1

<400> 17814

ctttctaaaa accagaaaca acaaacacaa accgaaaagg cgaaaggggt tttccgagtg 60
 agatctaggg tttccatcga ttcggagaga ggatattgat agaacgacct caacgagcaa 120
 ggtcaggagg tggagtctag aacatggatt cgggtgccttc gaattcgcac ggaaacctcg 180
 atgagcagat ttctcagctc atgcagtgc aacccttgct cgagcaagag gtaaggggtct 240
 tgtgtgataa ggcaaa 256

<210> 17815
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959478H1

<400> 17815

gcaaaattaa gcacaaaagc ccaaccctct ctctcgtgc tggctctccc catttggcat 60
 tcgcagatcg aatacgagta atttactga atcttattga agatgtttct cacaagatct 120
 gagtatgatc gatgtgtaac accttttctc ctgaaggccg tttatttcag gttgaatatg 180
 caatcgaagc catcaagctg ggatcaactg cgattggatt gaagacgaaa gaggggtgtg 240
 tccttgcatg tgaaaagc 258

<210> 17816
 <211> 253
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700959479H1

<400> 17816

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 ttgattctca cgcaatatgc aacttacagc gcnacatctc cctccgccaa gttcgcccca 120
 ccaactcgaaa cgtcgtcggg gctccgcgaa gcccgtcgcg cctcccccca ccaagctcgg 180
 tcgccgccga aactccgggt gccgcacgag cgaactgagc caggtctccg gcgtgcttgg 240
 ctgccattgg gga 253

<210> 17817

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700959480H1

<400> 17817

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 ttgccctcac aaacccaagc cgcacattcg tcttcttctt ctgcgccatc tcttaaccct 120
 aattccaac atggaatcgg atccctattc ctcaaccctt cctttctctt tccccctcac 180
 caatcaacct cactttcgga tctctccaga tctccgatac cccagggtca tcggcttcag 240
 ctgctcaaga ttctggtgga tc 262

<210> 17818

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700959481H1

<400> 17818

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 agggaaatctc aacccaaagt ttagtttttt atttttatta ttattattat tgttggtatt 120
 tctgccacaa ctttaggggt gcattgcaaa tggttccat tgttgcaagc ttgccgccac 180
 cattgctgct ccctgctaga aaatatcatc cgggcaactt cccaagttcc cctttttctc 240

gtttgag

247

<210> 17822
 <211> 187
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959485H1

<400> 17822

aaacagtacc aaataaaaag cgttacagaa gatcgatctg caccataaca taaaatttga 60
 cttatttttga ttttttatga ttgatactag tgtgagcagt tgataagaga gatgatgatg 120
 aacgtgaagg atcgaccatg gtgcggccgg cggaggaggt ggcgcggcgg gtggtgtgga 180
 actccaa 187

<210> 17823
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959487H1

<400> 17823

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 tgtcactatt gcctatcagt ttttgtttt cgtcgtcact gcgctcctca aattcgacaa 120
 agtcactgat ttgctggaag tacgaatttc attataattg ctgcattgac cctgggtcatc 180
 aaaggctcct ggtattttcg acagataatc ctactttgt ttgttgggat atggggaatt 240
 cgcctcgg 248

<210> 17824
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959488H1

<400> 17824

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 cgtgacatgt tcctcatggc aaatataagg aaagcaatag ctgatgctga atctgggaac 120

<400> 17827

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 aaaaacacca ccaaattggga gaggaagagg agcagcctaa gaatgacacc gagaacaagc 120
 ccgaggaggt agccccaaga aagacgacgg acccatccct gtcgtttaca aactcgactt 180
 gcattgcgag ggatgcgtca agaagatcaa acgcacctgt cgccacttcg aaggtgtgga 240
 aaccgttaag gcggatc 257

<210> 17828

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700959494H1

<400> 17828

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 ctcagctcag ggtattacgt agtacgtgga gaatgggaag tactgaaaag atcccaatca 120
 gcgctgaaag ttcagaacca ccatcgagat aaaaattaaa acattggatt ctcaaactta 180
 caccctcaga gtggataaac agatgccagt ccctgctctg aaagaacaga ttgcttctgt 240
 aactgg 246

<210> 17829

<211> 194

<212> DNA

<213> Glycine max

<223> Clone ID: 700959495H1

<400> 17829

aataattcag aaatgttact gcaaacatta gctatcccta caatactcct tgtgatattc 60
 atatgggtgg tacaaccaa gcaacgtcat gggaagattg caccaggtcc caaggcgttg 120
 ccaattattg gtaacccac atgctaggga aactcccgca ccgcaccctt caaacctttg 180
 caagaaaata tggc 194

<210> 17830

<211> 259

<212> DNA
<213> Glycine max

<223> Clone ID: 700959496H1

<400> 17830

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tgctactagg ttgactggta ttaaagagaa tactaaattt caaaagaaat tacagaacaa 120
tgagcagatg tcaggctgaa gcatctagta catggagcaa agcagcatca caatgtgaaa 180
aatgtatatg tatggcatgc actagctggt tattgggggtg gagtgaagcc agcagcaacc 240
ggcatggaac attatgaca 259

<210> 17831
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700959501H1

<400> 17831

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cactacaaac caaatattct tcgtcctccc gctcgtcttt ctactcgtc atcttcgaat 120
tcgtctgagc cctaacaaaa ttcatttcaa ttccaactcc tctgatcaaa atcctaggct 180
cgttcttgaa tccctaattc gatctcctcc tctcctccg aagaataaaa ggaggatcga 240
tgtgggcagc atcttcgctg gcgt 264

<210> 17832
<211> 107
<212> DNA
<213> Glycine max

<223> Clone ID: 700959502H1

<400> 17832

attcggctcg agtttcaact caatggttct tccctcaggt tttgtttcca tgttgatact 60
ttttggcatg gttttggtag ttgggggtgaa tattgtccca ggggttg 107

<210> 17833
<211> 83

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700959503H1
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 tgcatttttg aggtgccgct gtc 83

<210> 17834
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959504H1
 <400> 17834
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 tacttcgcgg gtctacgcgc gaccgacacg gcgagcgatc tctcgccgtt gaagatcaga 120
 gggctgatat tgcggcaggt gttttccggt gggaccaga ggagcaaadc cgaggttagg 180
 ctggagaacg acgaggttct tccgctgtgt gtgacggatt tggtgtggga gctggcgctg 240
 ccggttggcg ttgacc 256

<210> 17835
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959507H1
 <400> 17835
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 ctgtggctag aactacatgt tctgtggttc cttcatgct ttgcactgtg gctggctcct 120
 gttctgtcaa ttttactct ctgggggttc agtttgagtt agctcaagat aaagacatgg 180
 attctcagag gtttctcatt tgacaaaaat tgtcttgat ttctttgagg gaagaagaag 240
 tagatcaagt taaaaga 257

<210> 17836
 <211> 253

<212> DNA
<213> Glycine max

<223> Clone ID: 700959470H1

<400> 17836

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ttccttcaac caatttcgag atccgaaacc ggcatcagat ccgatccgaa atgtacggat 120
tcgaagctct cacttcaaca tccacggcgg ctctctagag gccatcgctc gcggccaccg 180
cgccggcctc ctcaccaccg ccgattacaa caactctgc caatgcgaaa ccctcgacga 240
catcaagatg cac 253

<210> 17837
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700959439H1

<400> 17837

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atcttcttcc aaacccaaag accccttctc cggcgtcgcc cccgaagatg acgactatta 120
caagtcttcc gatgtaaaag ttgtaaagat ggatccggaa aattcaccaa ggctcagttc 180
aatgatgatt tctgcgattg tgctgatggc accgatgaac ctggtacatc ggcatgtcct 240
ggtggaaaat tctatt 256

<210> 17838
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959440H1

<400> 17838

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tagcattacc atgttggttg gataactgaa gtgagtgatg atttcaactt caagcatggc 120
tttgctttct ttactaccaa aacggcaccg catgcccttt ccctcacaaa cccttcctct 180
tccactcccc tcattctacc ttccagtttc caatggttgc ctcaccctct tccttctcct 240

ctctcttccc tcaaa

255

<210> 17839
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700959441H1

<400> 17839

gagacggaat ttggacatgg caccgtataa accgtctgtt taattggctt cctctagcag 60
ccctaattga gaaaaaaatt atttgcacgc atgggggtat tggcgttca ataaatcatg 120
tggaacaaat tgagaatatc agcgtccaat tacgatggaa gcaggatcaa ttgtgcttat 180
ggatctatta tggctctgac ctacagagaa tgacagtgtt gaaggactgc gaccaaagtc 240
taggggtcca ggattagt 258

<210> 17840
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700959442H1

<400> 17840

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taaattcccc tttccaaccc taatttttct gcttaattaa ttccatttaa gtcctttaat 120
atgcagaccc tcaccccacc taccccaacc ctctcaacta tctcacggtn gcgcgtcagt 180
cggtcattcg ggtggctcgg acgcgtttca gagtcaaatg cggttgccgg ttcgaatccg 240
ggagtttctc gcaggg 256

<210> 17841
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700959443H1

<400> 17841

<400> 17844

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agaaagacac ggcatgggct cgacggtttc aacctgtttg ggttgatgag ccgagtgagg 120

atgacgcaat caagatactt atgggtctacg tgagaaatat gaggcacatc acaaatgcag 180

atacactgca gaggtataa aggctgcagt tgattgtcag cgagatacat agtgataggt 240

aactacctga taaagctatt gac 263

<210> 17845

<211> 269

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700959448H1

<400> 17845

ctatttttgc cttctccctc ttctgcttct cctccactc cactggagag atgagaagag 60

aagagagaga aacacagatt ctttctttcc cttccacaca acatacgata tcaatcgntc 120

tcttgccgat tccgccattt ctcattcgga ttcgagattg ttgcaggtgc attgcttttg 180

cctctcgatg gtatgttccc gggaaagtgg gagaatggaa gtcattggcca ggcttctcgc 240

tgctgagact ttctctcaca ctgtagcag 269

<210> 17846

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700959449H1

<400> 17846

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ccgagagtgc ttgaagtttt gtattgaggc tccagaaact ttatgagtgc tgttgattga 120

ttttcaactt ggcaattaat gaaagagcat ttcattgtaga ttttcttcac cactatctgc 180

tctatgcact tcttggtgctt tctgcagttc tgaattatc aagtaactgg ttcagtttaa 240

catatgattt agtataaaa 259

<210> 17847
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959452H1

<400> 17847

agcaaacatc agttgttcta tattacattg ttggagacta ttagggttac gatggattct 60
 gagaagtatg agtatgtaga gaacgcagtt gaaaaccctc aagctaagca catggctaata 120
 ggtggggaca aaagtggaaa tctgaagaga gaggagcgaa tggtagttca aagcataagg 180
 gtgatgatga tgaggatggt gatctccatc ccaagcattc aaaacctgga cagcattctc 240
 atgatcgaga 250

<210> 17848
 <211> 101
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959453H1

<400> 17848

ccaaattctc cagccatggc agtttcttct gcattctgctt cctccaaact tatactattc 60
 tcccatgctt catcttcttc ccttatctcc acacccttcc g 101

<210> 17849
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959454H1

<400> 17849

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 aatccatgtg ccttcaagga gattacacct tccgtgaaag aggtaatagc acgagatgaa 120
 aaaactgaat ctttttctact gttgaacctg aaaatgggaa gttggagatc aatgatggaa 180
 aacagactaa tggcactagt aaagactcca ggtagagga ttctgatgct ttacatatga 240
 aattgggttca aaatg 255

<210> 17850
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959455H1

<400> 17850

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 actctctaga ttctcatcta tctttcttcc aacctcttct cttctatacc cttcagaaaa 120
 aaataatata gaaacatagc ttcagattat tctagctctt catttttttt ccttgttcaa 180
 tattatgctg taaaattctc aaactcacag tttcagttca gccacatttt ggtctaaaga 240
 tccgtgcctt gaccct 256

<210> 17851
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959456H1

<400> 17851

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 cctgcgga tagacacgca aactccgttg aaccagttca tatctcccag attgccaaag 180
 agctcaacct tagtcccaat cactatgacc tttacggtaa atacaaggct aaggttttgt 240
 tgtcggttct tgatgag 257

<210> 17852
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959457H1

<400> 17852

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 aaggaaacaa caacaccaag caattcactt tttccaaagc cgcaaattctc ttgccgttgc 120
 agccacggtt aaatgtctct tttcttcttc aaaggatgca ggctccagtg acaacacacc 180

gctcatcgcc tccgagaact tcacctcctt cgccgtcatc gaggccctcg gcagcgctct 240
cacgaacaaa tactccgagg gcatg 265

<210> 17856
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959464H1

<400> 17856

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agcttcccta ccaaagttaa attggtgttc gcattacaaa cttatattca gaaatcaaaa 120
aaatgattgt gggtatttcc atcggttaaaa gtttactttt ggagtagatt tattagaaag 180
acttttttagc tgactctggc atgggccagg ggagttttta aattgcaata tcaatgagac 240
aatgacttcc 250

<210> 17857
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700959465H1

<400> 17857

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tggtttacca ggacctcctt acaggtgatg agcttctctc tgactccttc cgttacaagg 120
aaattgagaa tggatgctgt gggaagtga ggggaagtgg gttgttaaag gagcagttga 180
tgtagacatt ggtgcaaacc cttctgctga gggtygagga gaagatgagg gagttgatga 240
tgcagctggt aaggtt 256

<210> 17858
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700959466H1

<400> 17858

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 gaagaaggac ttctcgaccg cgattctgga acgtaaaaag tcgccgaacc ggcttgttgt 120
 ggatgaggct gtcacgacga caactccgta gtgaccatgc acccccaaac catggaaaag 180
 cttcagcttt tccgagggga cactatcctt atcaagggtg agaaacgaaa ggatactatt 240
 tgcatagctc ttgctg 256

<210> 17859
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959467H1
 <400> 17859

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 tttcattgga tcttattctt gcatgatgtg ctataggtaa tgagttgagt gggaagggca 120
 ttggggctag agtgggtgctg cacagtatgg gaaagacttg ataaagctta aagaaatttt 180
 acgcacatta tacaaaaact ccacgttcaa accttcctt gtagcacctg gaggattcta 240
 taataaggag tgg 253

<210> 17860
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959468H1
 <400> 17860

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 ttgttctctt cccacagttc tcaactgaatc aggatccatt ttgataccaa gttgctgttt 120
 agagatctgt ttcttctaga caacggctctg tgctatctgt tatttttagtt gaatcgaagc 180
 tgcaacaaaa tcttctgat ctttgctttg aggttatggc atcggcgggt gtagcacctg 240
 cttctgaggg taaga 255

<210> 17861
 <211> 249

<212> DNA
<213> Glycine max

<223> Clone ID: 700959469H1

<400> 17861

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aatttttggtg gcatggcaat gccatgcgta cgatatgttc cctctccgaa tgaacactgg 120
ctatggtgcc cgactccgga ggtgaaatgc gcaagttgga ggcttgctgt ggaagcacac 180
aacatctttg gctttgagac cattcctgaa gagtgcgttg aagcaacaaa ggaatacatc 240
catggcgaa 249

<210> 17862
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700959438H1

<400> 17862

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atcacagtgg tgtggtgctg ggtggcggtg ctattatgct cgcgggccgg tgcgtcgtgg 120
gtggaggagg cggcgaaccg atacgaatgg tgtcacgcgt ggaggcggag gtggttcggg 180
tgatcgggga gtgccggcgt gcgttgaagt ttgctaggtt cgtgagcagg ttcgggaaga 240
gttaccaaag cgag 254

<210> 17863
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700959409H1

<400> 17863

aataacaaaa aacgtccatt caacgatcac actcacactc ctgctcgtcg cttgccccaa 60
tcgcttatcg ctcttcaaca ccctctccct cgtacgaaat ccccttcact ccctccgacc 120
acggcctccc tcccaacacg gagacaccga ctccatcccc taccacctcg tcattcgcct 180
catccaagcc tccaccaccc tccaaccagc cttcaaaaacc ctcatccaaa acatcctctt 240

ccaaaaccaa aaacatcaac ttttaat

267

<210> 17864
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700959410H1

<400> 17864

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actctgctat ggcgatggaa caaggcattc tgaccacaag gggaagggaa agaactaatt 120
aagttcccc gaggaacacc actttcttcc tggaattttg ttctgtgttt ttgtaggagc 180
aacaagctgt gtcccccttc cttctgcaaa atggaggata agttgttgtc atcaagtgtt 240
ggtgtttctt cttggatcat tta 263

<210> 17865
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700959411H1

<400> 17865

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aagaaccaa agaaatatga agaactcggg gcaaagattc caaaaggtgc tctcttggcc 120
ggtcctccag gcacaggaaa aaccttttag caaaagctac agcaggggag tctggtgtac 180
cctttctttg tttatctggg tctgatttca tggaaatgtt tggtggtgtt ggaccatcta 240
gggtgagaaa cttgtttcag gaag 264

<210> 17866
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700959412H1

<400> 17866

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tcttctttat cttctttctc tctctctctc tctctctaaa tatttttctc tctcttcagc 120
gaattcgttt ttctcttcaa gcttcgctat ggcgtctgga tcttcgggtc gcggaaactc 180
tgcttccaaa ggcttcgatt tcgcttccga tgacatctc tgcttctacg acgactacgc 240
caaccgcat tccacttcca acggc 265

<210> 17867
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700959414H1

<400> 17867

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ccactcacac acactctctg cccctgcaca tgcacatgca ccattctcac taatcactag 120
ggtttattca tccatccatg gagctaccgt tttctctctc ttcttcttct tcttcacctt 180
ccaccttccc tctgcttct caggacaatc gagctccatg gaatcagtgc ctgatcttca 240
gaacactatg tacgctccca tcgacgg 267

<210> 17868
<211> 179
<212> DNA
<213> Glycine max

<223> Clone ID: 700959415H1

<400> 17868

gtctctctct ttgcctctt caactttctc tctctctccc tagttgcatg tgttcccatg 60
ttcaataata ataataatc tgactaatct caaccttggt cagtattcag ttgattaat 120
gacaccaaga tccaagcaca aagttgtttc ttttttcatt tatttgctgt tctgcctgt 179

<210> 17869
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700959417H1

<400> 17869

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 acaatgatgc aaacaaacag gaaccgtttg gcagcttaat gcttcaagat ctattatttg 120
 ttacttcttc caatttatct gtaacttgta ctcccctgcc cttttaagaa tacttattta 180
 cttattattt tatttgagcgt aatttcagct ccttctgatg tcaaaaaaca tgagcagaaa 240
 gatgataacc ttccagttga catcaaattg cctgttaagc 280

<210> 17870
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959418H1

<400> 17870

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 ttgggtatga gttggcttac atggaagcaa aagagagtgt gagaagagga gaccgcgttt 120
 ggcaactcgc atttggctca gcttcaagtg caacagcgtg gtttggcgcg ccatgcgccg 180
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 caacaactga agcaaaattc ta 262

<210> 17871
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959419H1

<400> 17871

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 attttgcggt tcattggctt aacttcagag ggaagcatca agtatcatat ctggctagga 120
 cacattgcaa tgacctctc acagcccatg gtctaggta tattattttt tggggaaaga 180
 cacatcaaat cttggagata ttcaaattga acaaaattgg cgtctcaaat gtggctggag 240
 ctgtttctct gctagctgg 259

<210> 17872
 <211> 257

<212> DNA
<213> Glycine max

<223> Clone ID: 700959420H1

<400> 17872

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gattgatcga atgatattgg gtatacaaca cctgtacaag agaccaatat atgcgcggat 120
gcctgaatgc agtattaatc tcccaactat ggaccattac ctctgatgc tcttgcttgg 180
tgtcaggccc cttttgatcc tgaaggactc ctaagttcag tgatggctat tgtcacctgc 240
ttgattgggt tgcacta 257

<210> 17873
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700959421H1

<400> 17873

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aacagaaaca ccctttctag catagggatt tgatctctcc accttgggtga aagccttggt 120
accattagg cttttacaaa ggtgggattt tgactagctg ggtgtttggc tgttgagttt 180
atggagggcc aagttccttg ttgaacagtg tttgtgttgc ctttatctgc agcttttaata 240
tgaaccaatc ctaccctc 258

<210> 17874
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700959422H1

<400> 17874

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ttttcttagc agtgcaattc aagggatcag tatctcttca tgttgactat gaatttgctg 120
ctagatcaaa atcgactgag agtatataag caggtgcaag ggagattata ctttcacggc 180
gggcaaggct gtaggggtata ggaacctgtt tggatttcca tggactgcat tcatagcaga 240

<210> 17881
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959429H1

<400> 17881

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 tataactggc ctgacagaaa ctgagaggat gacacgtaat agtgtttata cctctgcact 120
 taactgtgat gacatcttgc atggatccta cttegaatac caccaccaac tatctccaac 180
 ttaattatcg tatcaaaaat atggttgcgt gtgatatgca gtccttcatt tcgtcaatgc 240
 tacttgaggc aatgggga 258

<210> 17882
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959430H1

<400> 17882

cagttcccta cctctccttt caagatgcag atcttcgtca agaccctcac cggaagacc 60
 atcacccttg agtggaag ctctgacacc atcgacaacg tcaaggccaa gatccaggac 120
 aaggaaggaa ttccccgga tcagaacgtc tcattctcgc cggaagcag ctgaggacg 180
 gccgtaccct cgccgactac aacatccaga aggagtcaac cttcacctt gtccttcgtc 240
 tccgtggtgg catgcagatc ttcg 264

<210> 17883
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959432H1

<400> 17883

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 aaagaagagc ttggtaagct aacagattgc attgagaagg ctaatacaaa gcttgggact 120

gtggtaagat atttgatgga agagctgagg gtgatgaagc ctttagaaag gaagcattag 180
 aactttttaa ttcaattgat gctgaagtaa agaagccttt atgcaattgt ctaattgatc 240
 tttgtgtcaa gctgaatgtg cctgaaagag 270

<210> 17884
 <211> 261
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700959434H1

<400> 17884

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 ccaactatag gccaaatcac caataaatat tatttcccg tcttttggcg tgttggccac 120
 ccactgaaca catttgcac acacatagaa tgagagagag gccattgggt ggtttcagag 180
 atgggaagca tgcacataga aaccccagaa acttttgctg atggtagcaa aaacttcgat 240
 gagangggga cgagctaaaa g 261

<210> 17885
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959435H1

<400> 17885

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 cctaagaagc gcacacgcgc tcgcaaggca ccacgtgcag ccgcagctgc tggcagcgga 120
 acgcgctttt gcgacggagc ggcgaaatcg atatccccgt cggcggatcg cgtgaagtgg 180
 gactaccgag ggcagaggaa gataatcccc ttaggcagtg gctccccaaa gtggccgtgg 240
 atgcttacgt agcacccaac 260

<210> 17886
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959436H1

<400> 17886

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 atatgtgcaa gggagtccag tatttgaatg aaatcaagga ttctgtggtt gctggattcc 120
 agtgggcatc aaaagaggtg ctttggctga agaaaacatg agagccatct gctttgaagt 180
 atgtgatgtt gtgctgcacg ctgatgctat ccacagagga ggtggtcaaa tcattcctac 240
 tgccaggaga gtctt 255

<210> 17887

<211> 123

<212> DNA

<213> Glycine max

<223> Clone ID: 700959437H1

<400> 17887

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 gtcagtgtg acttatgtta ataattactt cagacttgtg tagtagtaaa tgctcctaata 120
 gtc 123

<210> 17888

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700959408H1

<400> 17888

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 ttgacaagtg cgtcaagaaa aacatccaac tctttctcat ccagaaatgc ggattctcag 120
 aatccgaagc cttcaccttc cggttgatct cttcaaaacc tacggaagca cccttgccgg 180
 tttaagagca ctaggccatg atatcaccgc agaggagtac catggtttctg tgcacggaag 240
 gctaccttac gactccatca 260

<210> 17889

<211> 72

<212> DNA

<213> Glycine max

<223> Clone ID: 700959369H1

<400> 17889

cggatatggc gaggaacaca gctgacctcg taacgcagct caacgttgct catcactttc 60

cacacaacat ac 72

<210> 17890

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700959372H1

<400> 17890

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catgtccatg catcgctacc tgaggaagat tattgggaag ctgtttggcc aaacactccc 120

attcccactg cactgcgaga gcttctaaag cctctccctg caggtgttga aatcgatgaa 180

ctccctaagc aaattgatga tacacagtac ccaaaaacat tcttctataa agaagacctt 240

catccag 247

<210> 17891

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700959373H1

<400> 17891

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taaaatacat ttttctcttg tcttattatt ttcattttca tggctctatta actttaaaat 120

agttatcttt aatatcttga agtatctgtt ttatataaat aacaaattgg tttttccggt 180

ttaaccatgt taattttaga tgatacaata acatttatat agtttgactt ttttcataaa 240

ttaatcaa 248

<210> 17892

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700959374H1

<400> 17892

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 ttgtgtacga gcaatttata tgggcatttc ttgttgggtg cacgttcatt agtgtattat 120
 ctcacacctga tgaagcagct ccaaagtaca catttgtaga agaagctgca tctgctccag 180
 aaatcttaac ttatgactac gtagtgattg gtggaggaa atgtgggtgt ccactagcag 240
 ca 242

<210> 17893

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700959375H1

<400> 17893

ggcagaatca cgcttcttgg ccactatcca tcaactgtta caaactttac acttcccaca 60
 aactctcca cctgaaagag aactcaaca caaaaaaa aaatttggaa gagaaaaaga 120
 gagagaagaa tggagaaaaa gggtctgata ttgtgctgtg ttgtggcctt cttggggctg 180
 ttgtcggctg caactagctt cggtgctgaa gcgacaagga ttaaggtttc tcaggttcat 240
 tttgttgc 248

<210> 17894

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700959376H1

<400> 17894

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 tctaccgtct agcggaggac agcctccggc agatattctg caggctgcca ctgagggaaa 120
 taatgatatg cggtcagtg tcaaaattct tctgcagct gctctcaaca cttcgttcc 180
 tccgggtcct ctccagctcc catccgccc tccagctcct gggcctccgc aaccgccacc 240

244

<400>	17895
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cttgtaatt gctcaaacac aaacttggat actgt 95

<400>	17896
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tctttg 246

<400>	17897
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accaaggaca agaaggttac cgctctcaag gagaccaaga agcgcctcga ggagaggttc 240

aagaccggca agaatagggtg gttcttc

267

<210> 17898

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700959382H1

<400> 17898

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gtcatattcc tctccttgcc aatattattc actctcacac cccacaaggc caacgggtgcc 120

acgtgtcacc ctgaggaaga agcgggcctg ttgggcttca aatccggtat ccgatccgac 180

ccgtccggcc tgctcagtaa ctggatatcg ggtacggact gctgcacatg gaccggagta 240

gaatg 245

<210> 17899

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 700959384H1

<400> 17899

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ccttcaattc atcac 75

<210> 17900

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700959385H1

<400> 17900

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tatgactagc attcgagctc cagtttcaaa tccttacttt tatgaggaat ctgaatttgc 180

caatcctaatt ttggattttt actcaaaatt tggggatatt gccattcctg tgactgctat 240

002220" ETT E560

cgttcttg

248

<210> 17901
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959386H1

<400> 17901

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caagtctcaa gagatttcat catggctcca aagaaggaca aggctccacc accttctctc 120
aagcccgcc aatctggcgg tggcaagcag aagaagaaga agtggagcaa gggaaagcaa 180
aaggagaagg tgaataacat ggtgctgttt gatcagggca cctatgataa gtccttttct 240
gaagctccca 250

<210> 17902
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700959388H1

<400> 17902

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cagattttat ggataaagga aatcttttagc tgaatgttat ccatcattga agcggcattt 120
ggcatggtag aaacggaaag aacgtgattg cttttttttt ttttttctgt tttggaaaaa 180
ttgtccatgt attgaccccc tgactgtttg atttgacgtt ttgttttttt gggatatcgac 240
agagaaga 248

<210> 17903
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700959389H1

<400> 17903

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0953113-032200

ttgtgccaat tgccatagtc accaaccaat taacaaagggt atatatatca tcatatcatc 120
 accaaatgaa aaatattggg ttgttttttc ttgtgggtggg ggctactttt gtggtggcag 180
 ccacagctgg tagctttttac caagactttg aaataacgtg ggggtgggtgag cgtgccaaaa 240
 tct 243

<210> 17904
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959391H1
 <400> 17904

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 gcaattctca tctttcactc tctagattct catctatctt tcttccaacc tcttctcttc 120
 tatacccttc agaaaaaaat aaaatagaaa ccatagcttc agattattct agctcttcat 180
 tttttttcct tgttcaatat tatgctgtaa aattctcaaa ctacacagttt cagttcagcc 240
 acatt 245

<210> 17905
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959392H1
 <400> 17905

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 atgtttgacg tgaataggat aaaatataat aattactgag tttatggaat tgcaactacc 120
 attctatacc agtgtcagaa atggaccaca cggtagcagc atagttataa cacttacaca 180
 tgaagatgcc aatttcaatt gcagcagtac aatccaaccg gtaatgaaat tctagaaaaa 240
 tt 242

<210> 17906
 <211> 243
 <212> DNA
 <213> Glycine max

002220"CTT6560

<223> Clone ID: 700959393H1

<400> 17906

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agcttaattc aatttctgct cacacataat ggcttgacg ctgctgatt cattactcct 120
attcaaggtt tcttatcaga aaccagttct gaggagagac attgctgccc ggtactcccc 180
gggtatattt agtctaaaca gtaatgggct tatccagaaa aggttcaggc gtcaaaggaa 240
ttt 243

<210> 17907

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700959395H1

<400> 17907

cgggtcgacc tgggtgactc gactcgttta aaaactactc cgagggagag aatattccgg 60
tgaacgattt ccggcgatat agtcgcgact ccgccgggca taaagatggg tttctgagct 120
acggcacgaa cggcaacgtg gtgcagcaga gcttccatac ctacgccgcc ggagccaccg 180
gcggcaccgg cgagttcaag cactacgccg acgaaaccaa cgccccgaac ctcggcttca 240
cctcct 246

<210> 17908

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700959396H1

<400> 17908

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tctccattgc ataaaaacag catacaggac agaactgcaa cagagaactt gtcttcattg 120
aggaataact gtgatgaaga tttgtgtgtt tcaactgcagc tgggtgacaa tgaagcaaag 180
agaaggcggt ctgaagcctc aactagtact gaggaacctc agtgaaacag attatttgca 240
taagctgg 248

<210> 17909
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959401H1

<400> 17909

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 atcaatatct catttaccga ctagctacat gtggagtcct catgttggtc ccaaaccaag 120
 tgactggggc cctttagttg atgtgttggt tattgtttct tgagccttgc atcaaagtat 180
 caaccccagg aagattttgc ccaatggatt caaaaaggac cacctccttt atattttggg 240
 tttgggagca tcctcttgaa gatcc 265

<210> 17910
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959402H1

<400> 17910

ttcgggtcga gcaccaccat tgcttggtga tgacgtgcag gatggggctc tgaatggcct 60
 tgaattgaaa aacgtaactt gcaaaacaac tgctacagtt ggcgataagg cgtatgtcat 120
 tgggtggagct gatgatggaa ctttgtccat tgagttcaaa tttttgaccg tagtcttgga 180
 gaatgggttc gtcccactgt ggggggcacc aaacctgtgt cgtgcaatgg cctctcagct 240
 gtgcctttgg aagaccgaat actgattctt aagaa 275

<210> 17911
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959403H1

<400> 17911

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 ttagtgacac caaacagacg ggaaatgggt cgtgggggtca gtgctgggtg tggacagagt 120

002220" E T F E 560

tccttggatt atcacctttg gcatggggta cctgccagca gtgcaaattg tgctcgact 180
caaaatgcaa gtgtccttc accaccggtt gataagcaaa gtccagcacc agcaccagca 240
ccagcacctg cacctgcagc agcag 265

<210> 17912
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700959404H1

<400> 17912

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gccttcgccg acgacttgaa cgtaactct tcttcactc gccagcacga acatgacgag 120
gacaacttct ctggctacgg cgctactcct ccttcaccgg aggattctcc gccgacggag 180
atgtcgccgt cgatcactcc gcgcccgcgt cgccggagat ctacggcttc actgattcga 240
atcgcgctta ctctcagtct ccc 263

<210> 17913
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700959406H1

<400> 17913

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ggctaccatc gttagcatca aggcccgcga gatcttcgac agtcgtggca atccaactgt 120
cgagggtggat ttgacttgct cgatggtaca tttgccagag ctgctgttcc aagtgggtgca 180
tccactggga tttatgagge ccttgaattg agagatggag gatctgacta ccttggaag 240
ggtgtatcaa aggctgttg 259

<210> 17914
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700959368H1

<400> 17914

ggagaagaga gggatatgagc tagttgagga gggatgatgat gtacagcacc atcttacaca 60
gacaaagaaa cctaaactac ccgttttagc cagtgtgatt gtggaagctt taaagggtgga 120
tagtatgcag agactttgct catctttgga accccttctc agaaaaattg tcagtgaaga 180
agtggagcgt gctttggcaa aactcggcca tgctaaactg gctgaaagat ctccaccacc 240
aagatta 247

<210> 17915

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700959407H1

<400> 17915

ggatatgttc cgtctaatac tgaaaagtat ccccttgag gcatcatctc tgccattgag 60
aatgcttttc acgcatctcc tcaaatagtt tgctcgaaag attctgttga ggaacttcgc 120
ctatgctttt ataaggactt cagccacgag attgtgctct tggatctgac attaaaatca 180
acatggttac ttctaaaaaa tcttgtccca aatatgttag cttgccggag ccggtatcag 240
tgagtaagac aggcacaatg g 261

<210> 17916

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700959326H1

<400> 17916

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agttgctgca agcaatttta gtagggatca aaattcagta acaattgttg ttgatgaaga 120
tcagcaaagg cccaagagga aacagaaaga tcgtcattat attgacttgg aggcaacact 180
tgaagatcaa gaaacaggtg ctgtaaccaa tatatgtgag gataaaactt cagaaaaaat 240
ggacgttgag gaagat 256

<210> 17917

<211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959327H1

 <400> 17917

 ggagtttctg aaagagaacc cgaacatgtg cgagtacatg gcgccatcgc tggacgtgag 60
 acaagacgta gtggtgatgg aggtgccgaa gctgggaaaa caagccgcaa cgaaagcgat 120
 taaggagtgg ggtcaaccaa agtcaaagat cacacacctt gtgttctgca ccatttcagg 180
 cgtggacatg cccggagcag attaccagct cacgaagctt ctcggcctga ggccctccgt 240
 gaagcgcctc atgatg 256

<210> 17918
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959328H1

 <400> 17918

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 caggagggat ggatggtaga attgttaaca atgatgttag agtgagacat catattggtg 120
 aatcttatag gggacatcag caggaggttt gtgggctcag gtggtctccc tccggacaac 180
 aattggcaag tggaggcaac gataatgtta ttcacatag ggacagggct atggtttcct 240
 caaattcacc g 251

<210> 17919
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959330H1

 <400> 17919

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 gatgatttgg tattggatgg tggtttttcc ttgctcaaat caccttcaca tgttggattt 180

acagtcacctg atatcaattc atatgggtcac tccttcagaa attattatga tgaaagcgaa 240
 aggaataagt 250

<210> 17920
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959331H1
 <400> 17920

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 aactttttatt tagacaccac aatgaatcaa ttattttaaat tgcattgtgct gaaatttagt 120
 tttttatttag aataacgagg acagtaagga ttgattaaat taatattcta atatcatctt 180
 ataaaactga ttgagaaaac ttttaacttt tgggtgaaagc acataaatgg tttttatttat 240
 aactttgttaa gttttt 255

<210> 17921
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959332H1
 <400> 17921

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 ccttccaaca gatgtggatt tctaaagggtg aatatgatga gtctggccca tccattgtcc 120
 acaggaagtg cttctaactt ctaagtacaa aatatgcttc aatgggtgaaa tttttttcgc 180
 accagttggt tttatgggtc tgtgtcatgt catgttaacg atattgccat ggataagagg 240
 tgaggaagta tcattaaa 258

<210> 17922
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700959335H1
 <400> 17922

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 ggagaanact anactcactc ttttaaactc tgtgcacaaa attataatta taaattttta 120
 cattaataat tgttcaaact tttttgactg tttgtacatg tgtacatgta cttctcgat 180
 cgccacgtcc tagaaccaga tctcttcagc agccaacaga cacaggattt acaagaccgg 240
 tttttgctcc tta 253

<210> 17923
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959336H1

<400> 17923

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 ggacgttccc ccgaacaccc cgcacctata atccagcacc aatccaaccc gttttcgctc 120
 ggatctagga cctcagtgtc taagtgaata aggttggggg ttgcgatggc tccgacgacg 180
 atccggaagg cgattggggg ggtgaaggac cagaccagca taggaatagc caaggtcgca 240
 agcaacatgg cgc 253

<210> 17924
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959337H1

<400> 17924

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 tattgactgc tgtgggtgtg attggtctga ctctatacac attttgggct gcaaggagag 120
 gccatgattt caacttcctt ggccccctct tgtttgggtc tgtgctagtt ctcatggctc 180
 ttgctctgat tcaggttctg tttccactgg gtaaattgtc cgtgatgac tatggttgct 240
 tggcagccat tatat 255

<210> 17925
 <211> 203

<212> DNA
 <213> Glycine max

<223> Clone ID: 700959338H1

<400> 17925

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 tcagatggat atcctctcag atgaaccgcg tgaggaacgg agagctctac cgtgtcatct 120
 gtgacacaag ggggtgccttt gtgcagcctg cagtttatga ggcctttggg ttgactgtgg 180
 ttgaggccat gacttatggg tta 203

<210> 17926
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959340H1

<400> 17926

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 cctgcccag gccacatcaa cccctcctc caattcgcaa aaagattagc ttcaaagggc 120
 gttaaagcca cagttgccac cactcactac actgcccact ccatcaattc tcccaacatc 180
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 atgcagctct tcctgg 256

<210> 17927
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959341H1

<400> 17927

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 tagaacacca cctcgaagat catcgtaacc ccaaaccacaa acctaaattc tcaaaaccct 120
 tcctcgccgc aatttcgctc ttcgcaatcc tcttccttac tctcaccttc gcattcgccc 180
 tagcatccat gctccaccac agtta 205

<210> 17928
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959345H1

<400> 17928

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 gaagaagatg gagatgtatc agatctggag caggagaata gcgttgggag cgttcgcgctt 120
 tgttctgctt ttcctatcgg cctcagcaga cgacgtcgctt gtgctctctg aagataactt 180
 cgagaaggaa gttggtcagg acagaggagc tctcgttgag ttctatgctc cttgggtgtgg 240
 acactgca 248

<210> 17929
 <211> 170
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959347H1

<400> 17929

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 gatgatgttg ctgctgcttt caatgattct aaggtgaatc ttgtgacaga gagagcagag 120
 agaccagtgt caatgaatgc ttatgagctc atatctaggt cacaaagttt 170

<210> 17930
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959348H1

<400> 17930

atctcaatct ggattaaggg acacagcaaa tgatggaact actcttgagg ggcataactcc 60
 gaagctgatt gttaagatcc aaaaccgaag tcgaagtcct gcacaaagtg cactgcagg 120
 ttcttctgat gatcctgcaa tcatgaacag tcgagcttca tctcctgttc tttcagagaa 180
 gcacgatcag tttgaccgct gctcaaagga aaagagtgat ttttatcgag ctaatattgg 240
 tgcagacatt tatac 255

09531113 032200

<210> 17931
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959349H1

<400> 17931

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gtgcatagcg acttccctgg cagagaaatt caagagccca agcaagcatt aagcacgttg 120
tcgcttcggt ctgctcggac tctgtctttg ttcattggag ccgggaactg agcaatcaat 180
gactggaaaag gatttggaaa ttgaaggata cacagttggg gggctgtcca ttggaggcca 240
tgaaacatgc gtcat 255

<210> 17932
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700959351H1

<400> 17932

caagtgtaca ttaaattaca catgtcaata tggTTTTatg tgttaccctt ttgccacacc 60
gtgtgtattg ttgttggtca accttagctg ctgacttgc tccagctgaa acaagcaatg 120
caattgtagg agcaggtgca gaagcgccat ccattgtttt cttccctttt tcattcttac 180
tctTTTTttt ttgcctttt tcttcctttg gtccttccca tctcatcccc ccccccaaa 240
ccaattcata t 251

<210> 17933
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700959353H1

<400> 17933

aagcaataag atgaaaatga aagtgcTTgt tttgtttgtt gctacagttt tggtagcata 60
tgaatgccat ggctcagact accagaagtt ccctctccaa atgaaaactg ggTTTggTgg 120

gcaatacagc aatgaggtgg catgtgccag ttggaggctt ggcgtggaag caaacaacgt 180
 agtcaagtgg caaactgttc ctgcagcttg cggagagtag atagctgact acgttctagg 240
 agaccaatat a 251

<210> 17934
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959355H1

<400> 17934

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 tctcatctgg gttcattcct tttctcatgc gttgacaaaa tcttcacact ttcaaagttg 120
 gtacctgata aaacttgaaa ataaatcttc cttttttgtg tcacaaccat gggttgttgt 180
 atgagtaaaa aagggtcaga gccagaagaa cacattgttt acagacatgt tgcgggtgct 240
 ggggggtgctg gtg 253

<210> 17935
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<223> Clone ID: 700959359H1

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 tccaccaccc caatacaagc agtcccaat acaagccatc aaataaactt cagggaaaga 180
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<210> 17936
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<223> Clone ID: 700959360H1

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<400> 17936
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aagctggggc taacaaggaa acacgaattg tcacacccct gatggaattt gttcgtcaga 180
gacgtgctgt tgacagtggg atgcaggctt catcagcggg ggcaaaagtt agcagaagat 240
cc 242

<210> 17937
<211> 246
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700959362H1

<400> 17937
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aacaattatg ctttttccat ctggattctt gaaatagcaa ttataattta tttgtggaaa 180
gagatataaa gcaagtatta aacacatggg taggggtaag gtggagctga agaggattga 240
gaacaa 246

<210> 17938
<211> 95
<212> DNA
<213> Glycine max

<223> Clone ID: 700959363H1

<400> 17938
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cacagcactc gtcaagcatc aatcatccat cgcct 95

<210> 17939
<211> 270
<212> DNA
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<223> Clone ID: 700959364H1

<400> 17939

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 cttttacccc ttccccctct cctcttttct tattcatcaa aattcctctt tgggtgtctc 180
 tccctcggtc aactccgttt actataaata tgaccactct tttcttctc ttcttcaact 240
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<210> 17940

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700959367H1

<400> 17940

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 taccgttgca tttctccggc aatgccatat tcaaccgcaa ccaccaacc atgttttcta 180
 ttcgagcctc aaactcttca tccaaactcg tcttattgag ctccactatc gtcgtcacia 240
 cagcgtt 247

<210> 17941

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700959325H1

<400> 17941

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 gggatatatt ggggctcatg gtgttgcagc tctgcacaga tataaatata gtggagtaga 180
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 cccctatgg atgcct 256

<210> 17942
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959289H1

<400> 17942

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 atcagaaact gcagagtttg ctaggaagtg ggtaccgttt tgtaagaaat tttccataga 180
 acctcgggat cttgagatgt acttcagtga gaagattgac tacctaaagg acaaagtgca 240
 acccacctt 249

<210> 17943
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959290H1

<400> 17943

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 ttgatcgatt tctgaggttc tgccaatcac gaaggacagt taatgtgatc tcatctagat 180
 gccttccatg tggcactgtg gaattggttc tgtctaaacc tcaaagtttg agatacaatg 240
 cactaag 247

<210> 17944
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 <212> DNA
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<223> Clone ID: 700959293H1

<400> 17944

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ctcccaagcc gattaccctg actactactt ccgcattacc aacaaactac acatgactga 180
 tctcaaagaa aagttcaagc gcatgtgtga aaagtccatg ataaagaagc gatacatgca 240
 cctgacgg 248

<210> 17945
 <211> 106
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959294H1
 <400> 17945

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<210> 17946
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959301H1
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 cttggctctt tcaccttcgt gctctcggtg ttctctgcag ttgttttcgt gtcccttttt 180
 gctcttcatg gcaattccag aaagctcttc tgtggcttcg ctacagccat attttccatt 240
 atcatgtatg gctcgccact ctcaatta 268

<210> 17947
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959302H1
 <400> 17947

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aaaagaacag ctctttgcag atcacatgaa aaacactatt tttcctacgt caacaaggat 180
 caatagaata cggttgtaa gacatagact ggaacatgga catctgaact atagatgtct 240
 ccacacacag agatca 256

<210> 17948
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959303H1
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 ttcaagaatt tggagacaaa aggggttcca ttcccaaaga gccaacccat gagaatatac 180
 tctagtcttt ggaacgctga ggattgggcc acaaggggtg ggcttgtgaa aacggattgg 240
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<210> 17949
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959304H1
 <400> 17949

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 gtctgcaccc acttcggttg attcaggaaa tgactgccac tgccttgccc tatgggattt 180
 ataaaacgga ccttcagaa aacgatcagc tcaatgttgc gtttgttgat gttgggcattg 240
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<210> 17950
 <211> 261
 <212> DNA
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 <223> Clone ID: 700959305H1

002200-032200

<400> 17950

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tcttaaccgt ctcagcttct caaaacccaa atcccgaatc ctagaatata actataatgt 180
cccccgcaac aaagttgctg aagagagtga cattattcaa cccacctata agttctcttc 240
caacgatgac gatgacgatg a 261

<210> 17951

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700959306H1

<400> 17951

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actgatgagc attatgtgaa gaaggaaaag gacgagtcca ttgcacaaaa gatcgcttct 180
ttagcaaatg aagatgaagt caaacatgac aatactcctt catctaagac agaagaagat 240
gtggtgaagg cagagcttgc 260

<210> 17952

<211> 180

<212> DNA

<213> Glycine max

<223> Clone ID: 700959307H1

<400> 17952

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accaccgttg aaacgccgtt gtttcaactc caaacctcgc tattcacgcg cgtttccgcg 120
caccgttccg aagagaagtg atttccacac aacatacgat gcacgattct tcttcaacct 180

<210> 17953

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700959308H1

<400> 17953

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gagttgagaa ggatgagaga gatgaagaaa aaaggtaaca ctaaagaaaa tgactatggt 180
tacacggaag aagatgatca agagaatgga agtccagcag cagtgccagt tccattgcct 240
gatatggccc tgccaccatc ctttga 266

<210> 17954

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700959310H1

<400> 17954

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ggcgttggca ttttgggcat cgcttgggcc ttcggtggca tgatcttcat ccttgtttac 180
tgactgccg gaatctctgg gggacacatc aaccctgcgg tgacattcgg gttgttcctt 240
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<210> 17955

<211> 259

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700959311H1

<400> 17955

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caatcccaag ctgaagctga agttgaagca aatgcagaaa gcatcgaaga agtgggtggcg 180
gaagcagaga aggccagag tgggtgtagaa gacaagattt cccaatctga agctgaagct 240
gaagctgaag ttgaagcaa 259

<210> 17956
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700959313H1

<400> 17956

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ctccaaagaa aaagcctgct gctgtatccc ccgcacaatga ggaactcgcc aagtgggtatg 180
gtcctgacag aaggatcttc ttgctgagg gtctcttga ccgatcagag atccccgagt 240
acttgaccgg agaagt 256

<210> 17957
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<212> DNA
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<223> Clone ID: 700959314H1

<400> 17957

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gagcgagaag gacaaggaaa cgttcgggtt ggtctgcaag cgatggcttc ggttgacagag 180
cacggaaagg aagaaactcg ccgcacgtgc gggccccac atgctccgaa aaatggccga 240
taggttcaca cgctta 256

<210> 17958
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<212> DNA
<213> Glycine max

<223> Clone ID: 700959315H1

<400> 17958

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cctggagcgt gccgccaag cegtgcgatt cctgcaagct ggctcggcg gcgcttttct 180
 gccgccccga ttccgcgttt ctctgcatcg cctgcgattc caacattcac tgctcgaaca 240
 aactcgcgtc gcgc 254

<210> 17959
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959316H1
 <400> 17959

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 cgtcctgctc atttggcaca tgcttctccc cctgaatact ttgtccgctt ggagaacaca 180
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 acttgtcagg tggaagagt 259

<210> 17960
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959317H1
 <400> 17960

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 atgaggatca agatgctttt gaaagggatt tcttcaggt gaagccttat tatacagatg 180
 cctgcaatcg acttccacca tctctcagg agtaccat tctgggtctc aacctgttga 240
 gattacttgt gcagaatagg att 263

<210> 17961
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959319H1

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 aagagtgtct cgctccctca ttcattgtccg atctgtacga cggaggacgg gtagttgcgt 180
 aactgccgtt aacccttcgc cgcacgggtg gcgtgggtgt ttgccttctg aaggtggtag 240
 cccttcagac ttgct 255

<210> 17962
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959320H1

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 ctgattcaga ccacatcctc agaattccat tctgctgcat attccagttt ctgttttttc 180
 tttgactaaa tggaggttca aactcacacc ttggacattc atcagcccca atttcggagc 240
 tctgaatacc cgaatcc 257

<210> 17963
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 <212> DNA
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<223> Clone ID: 700959321H1

<400> 17963
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<210> 17964
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 <212> DNA
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<223> Clone ID: 700959322H1

<400> 17964

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 caattccgct ttccctccca tcgggaattc ttggaacagc actagcagtg ttgtttattg 180
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<210> 17965
 <211> 261
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<223> Clone ID: 700959323H1

<400> 17965

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 caatagaaac gggatggtca tcagaagaag aaagcagcat catatcacga ttccagcaat 180
 acctgaaaat caacactgcc caaccaccc cgcgttacca cgaagccgcc gatttcctga 240
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<210> 17966
 <211> 262
 <212> DNA
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<223> Clone ID: 700959324H1

<400> 17966

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ggtggtgtgc cagaagctga tatgtctgcc ttcagagaat gtttgtctct atcatggaag 240
aatccttatg ttcttcgcct tg 262

<210> 17967
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700959288H1

<400> 17967

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tccataactca actcttccac actccaagag tggaaacaga atctcgatac gtctcattta 180
ccagaaatgg tttttgggga aaacactttg attctaaaac acttgagcag tggcaccaac 240
attca 245

<210> 17968
<211> 217
<212> DNA
<213> Glycine max

<223> Clone ID: 700959253H1

<400> 17968

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gttgctgatg ttgtgccttg ttaaggtttc atctgatcca aagatagaag aagaaatact 180
ggaagcagaa gaagaactgc agtttcccga taacgag 217

<210> 17969
<211> 69
<212> DNA
<213> Glycine max

<223> Clone ID: 700959254H1

<400> 17969

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acaacatac

69

<210> 17970
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700959255H1

<400> 17970

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taaaagtgac cgcattgagat tgtgtctccga tgctctctct tttcagcaga tgtcagagca 180
gttcaaccag gacttgtcac tgtctggtaa gattccaacg ggccatttca aactgcctt 240
tggggttaca ggag 254

<210> 17971
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959256H1

<400> 17971

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taccagctc ctttagacaa aaataacaag ctcatgggtc ccattatctg tttcatatga 180
tacgagattc tatttgtttg agttggtttg tctgtcaatt tcagacttcc atattgaaag 240
gaaaagcact gttac 255

<210> 17972
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700959257H1

<400> 17972

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 ccggttccga acacggaccg gtcacgtgac gcgaaacgga ggaagaagaa agcgcagctg 180
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 aacaaatcta ctcc 254

<210> 17973
 <211> 213
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959258H1

<400> 17973

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 gaaatctagt tcgagttcga caacaaacgt ggtgactctg aaggcggcgt gggttctccc 180
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<210> 17974
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959260H1

<400> 17974

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 gggaaatggg gtttctgaaa aactactgag aattaacaaa aaatgggcca cgaagaagta 180
 ttcgccggag cttcgggtct ccggcgagcg gtggagctaa tcttttcctg gctctcactc 240
 tcgcactcga t 251

<210> 17975
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 <212> DNA
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<223> Clone ID: 700959262H1

<210>	17976
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<223>	Clone ID: 700959265H1

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<223>      Clone ID: 700959266H1
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7798

053113 032200

<210> 17978
<211> 80
<212> DNA
<213> Glycine max

<223> Clone ID: 700959267H1

<400> 17978

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aacctaacc ttagctattc 80

<210> 17979
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959268H1

<400> 17979

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agactgttct ttctaattta agttaccatc tttagctgca ttcgtgtcac gtccttttga 180
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ttggagggtt tggaa 255

<210> 17980
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700959269H1

<400> 17980

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tccgatctgc gactttctat ttctccctca acacaacacg agacacaatg ttcctctttg 120
actggttcta tggcattctc gcttccctcg gtctctggca gaaagaagcc aaaattctct 180
tccttgggtct cgataatgcc ggcaaaacca cctccttca catgctcaaa gacgagagat 240
tagttcagca ccag 254

<210> 17984
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959275H1

<400> 17984

aaataataac atcttaattt tcattcaaac cgttttgtta ggaaaaatgg gtccgaaatt 60
 ggcgaaaaca gggctcttcc gtcacggttt ggcggagaag aaggacaagc ttctctctgc 120
 gtcggcgaag agtagtagta gttattctga gataggtatt gacataacca cgcgagagga 180
 agacgaagag caatcgtggt ggaacacgtt taagcgcgtg gctgggaacg cattggaaat 240
 gggtcgctc 249

<210> 17985
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959276H1

<400> 17985

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 cccaaaggcc acacacaaat acgtagaata tcgtatttta cattctctct tacggggaaa 120
 gcaaagcaaa cccaatcaat aataatacca agaaccaatg ccgtgtgggt tgtggctcgtc 180
 ctcatgactc atgtgagtca tgggggtatg ttaaaaatgt taatgtgcta tttcactttc 240
 ttctttccca 250

<210> 17986
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959277H1

<400> 17986

gcagaaagca agctcatcct agagttttta aaatggcagc agcctcctcc atggctctct 60
 cttccccatc cttggctggc aaggccgtga agctgggccc atcagcccc gaagtcggga 120
 gggtcagcat gaggaagacc gtcaccaagc aggcctctc cggaagccca tggtagcgcc 180

cagaccgcgt caagtacttg ggcacattct ctggcgagcc cccgtcctac ctactggcg 240
agttcccagg t 251

<210> 17987
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700959278H1

<400> 17987

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gatccatgga tctccgatcg ggaaaccgta tccaagctcc gcggttagtc tgcgtcttt 120
ggacttttaa aacttagcga actgaaacat cttagtagct aaaggaaggg aaaagcaaata 180
acagaaaaaa agagtcaagc ggcgagcaat ggcgacatcg ctggtgcgat cgggttttct 240
tcgaagcgc 249

<210> 17988
<211> 214
<212> DNA
<213> Glycine max

<223> Clone ID: 700959279H1

<400> 17988

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acaaccacgc tgcgtcact gtttcaaccg gcgatgcgaa tcccgatgac tgtcaccaac 120
cggtcgatgc tcccttttcc gcagcagaac agattagggg tagggtttca tcggaggaca 180
acgcggcacc cgcacccctcc accgccgatc gctt 214

<210> 17989
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700959280H1

<400> 17989

tgcggaagaa attggcaacg tatgctgtaa cacttggtat cgttatcatt aaaataaaag 60

atagcgagtg tgactcgggt tccactcatg tgagcctggt attgtattag tttctggttc 120
 agatactctc tagtctttgt tgtttcgggtg tgattaaatg tatcttagtt gattgttgct 180
 cgcaacaatt aatcacgtat ttgatataat aattccaagc tactttgatt gttgc 235

<210> 17990
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959281H1

<400> 17990

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 actcctgaaa atctcatcct cttcttttac atttgtttg gataaaacat tttgctgata 120
 ttgaattttt attttctctt gttttcggtt cttttcgaca ttttctctt cttcttctgc 180
 ttcggtgttt tcaggagat agggatagga gtaacaaagg gagagtgcaa tcagtttggt 240
 tcttcgcttc gggactcg 258

<210> 17991
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959282H1

<400> 17991

ttttattccc actcaccact cactcactaa cctcaatttt ttcaaattaa agtttctctc 60
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 ttccgctttt caagtttgcc actttcggtc gaattctoga gaaagcaaag tattttaaat 180
 ttgtggagag gcttgtaatg ctgaatgttg ttgccaaacca gtggagtagg gatgaattct 240
 gcaatggatg atatga 256

<210> 17992
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959284H1

<400> 17992

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 cttggagttt acaaagctca aaaataatca ggaaggaatt gaccctgata atgtctattc 180
 tcaggttccc tatgagaaag gttttcagtt cttatggcgc attgagcgac aggttgggag 240
 acctgcattt gat 253

<210> 17993

<211> 77

<212> DNA

<213> Glycine max

<223> Clone ID: 700959285H1

<400> 17993

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 caagaatcca aagcaac 77

<210> 17994

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700959287H1

<400> 17994

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 ggcagccaca gctggtagct tttaaccaaga ctttgaaata acatgggggtg gtgagcgtgc 180
 caaaatctat gaaaatggaa atcttctcac cctctcccta gacagagcct ctggctctgg 240
 ctttcgttcc 250

<210> 17995

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700959250H1

<400> 17995

gttggacact attcaaggcc tgaagtgctt agcttaattg taaaggacca tccaacgaac 60
 cccgttactt ttacatcaac atcgacaaaa attgaagaca agaccaagta gtttcttcct 120
 ttcatgggtca acaacttcca aacctctagt tctggacctt gtccatatac ccttatttga 180
 ccccttggtat gttaactcct atctccatat atgaaagggtt atttgggctt accttatata 240
 ataagcggtt gcatttttg 259

<210> 17996

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700959209H1

<400> 17996

cgacacgaca ccaaattatc tcaactcgctg tcttcgtctg cgccctaacc aaattcaatt 60
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 ctcagaagaa gaaggatcga tgtgggcagc ttcttgacctg gcgtcatgct gcgcggcctg 180
 cgcatgcgac gcctgcagga ccgtcgatc gggaatcagc cgccgttccg ccaggatcgc 240
 ctactgcggc ctcttcgcct 260

<210> 17997

<211> 138

<212> DNA

<213> Glycine max

<223> Clone ID: 700959211H1

<400> 17997

caacgggact ccagtggcag ttaaaaagat actcaataac attggtcaag ctgagaagat 60
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 cattgagggg atcacagt 138

<210> 17998

<211> 255

<212> DNA

<213> Glycine max

002220"CTT550

<223> Clone ID: 700959213H1

<400> 17998

tgcaaatcca gcggtgtcca aaagaacttc ttcaggtcca gcagtgggtt ggcctccaat 60
tcgttccttc aggaagaaca ttgcaagtgg aagcacttct aagttgcctt ctgggtccca 120
ccagcaacat caaaatgttg ttccatacaa ggttgctagc caaaaaccta ctgacaaatc 180
tggtaaaggc ttgtttgtga agatcaatat ggatgggtgc cccattggga gaaaagtga 240
catcaatgct tatga 255

<210> 17999

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700959214H1

<400> 17999

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ccttctgttg ttgcttctag cacactttca tttgggcata agccaacttg agctgaatta 120
ctactctaaa agctgcccaa aagctgaaga gatcatcaag gaacaagtca cacaactata 180
taaccagcat ggaaacactg ccgtttcgtg agtcagaaat ctcttccacg attgcgtggt 240
taagtcatgc gatgca 256

<210> 18000

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700959215H1

<400> 18000

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cgcgggcgagt gtggcggtgg atgctcagga gaactcggac gtgaagacgc tgggtgaagta 120
caagcacggg aagaagtact gcgacaaagg atgggaatgt aagggtggt caatttactg 180
ttgtaacctc accattaccg attatttcca gacctaccag ttcgagaatc tgttctccaa 240
gcggaactcg ccggtg 256

<210> 18001
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959216H1

<400> 18001

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 agcctcaaga agaagaagaa gaagcccagag aaggaccacc agggcccgtc caagcccaag 120
 gacaagaagg acgtcttttg ggcccccgcg cctctcacct ccaagtcatt ggccgatgtt 180
 gacgacgaag atgacgacga ctactacgcc accaccgctc ctcccgaatc tgtttggggc 240
 gcgcccagcg tcactcaaaa cgacgc 266

<210> 18002
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959217H1

<400> 18002

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 tgtgaagaag gttatcaaac gtctcaaaca gaggaatcca tcaaaagatg gtcttgtctg 120
 tactgctcgt aagccctgga ttgctgttgg gatgcgaaat gttgactata agagagcccc 180
 tcatttcgaa gttgatttgt ctgctttccg gaatgtactt gagatcgaca aagaacggat 240
 gattgcaaga gttgagcccc tagt 264

<210> 18003
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959220H1

<400> 18003

agagagagaa actgagagaa attcgcaaac cctaatttcg gaaagatcgg cgatggctgc 60
 ctccaaggat cgcgagaact tcgtctacat cgccaagctc gccgaacagg ccgagcgata 120

cgaagagatg gtggaatcaa tgaagaacgt tgcgaatctc gacgttgaac tgactgtgga 180
 ggagcggaat ttactttctg ttgggtacaa gaatgtgatt ggtgctcgga gacatcgtgg 240
 aggatcctgt cttccattga 260

<210> 18004
 <211> 84
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959222H1
 <400> 18004

cttacttgaa gttgtgctat tcaatcccaa agccacagaa ataatatgag tcagatttta 60
 gagactgaaa acatcacggc caac 84

<210> 18005
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959225H1
 <400> 18005

ggacaagagc gtttacggcg ggaagggtgt tcttaacgcc gttaggaaca tcaacgaggt 60
 cttggctccc atactcgttg gcgtcgacgt taggaatcaa gctgatgttg atgctattat 120
 gcaggaaatt gatggaactc ctaacaaatc aaaactaggg gctaatacaa tattgggagt 180
 ttcgctgagt gtatgtagag ctggtgcagg ggcaaaggga gtgcccttgt acaggcacat 240
 ccaggagatt tcaggaa 257

<210> 18006
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959228H1
 <400> 18006

aatcacacca ctcatcttac aatttacgag aagagttgtt tactcaacct tatgatatag 60
 ttaattggaa taaagcgcgt caccaatgtg taaatcaaga tctttactat ccccatcctt 120

0953113-032200

tgatacaaga cctaatatgg gatagtttat acatattcac tgaaccgcta cttactcggt 180
ggcctttcaa caagttgatt agagaaaagg cccttcaagt aactatgaaa catattcatt 240
atgaagatga gactag 256

<210> 18007
<211> 114
<212> DNA
<213> Glycine max

<223> Clone ID: 700959229H1

<400> 18007

tgaaagttaa gaagtagcaa agatgtttcc attcgggcac aagggtcaaa agataaaggg 60
gactatgggtg gttatgcaga agaattgtgtt ggatatcaac agcatcacca gtgt 114

<210> 18008
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959230H1

<400> 18008

ctgcaacagt tatttttagtg tgaagggtgca gccatagctc agtcacttaa ttcacgcgggt 60
atagtttagtg tgaatgacaa acagatttac attcagttga aaatctcatt ataattgtgca 120
ctttggcaac aatataagca gaaagcatga tgactacaaa agtgagttcc gacaacttcc 180
aatccttcga caaatgcac acagttttga attcatgcta tactacacca ggacaaattt 240
gttttgaaat ctctg 255

<210> 18009
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700959231H1

<400> 18009

gaaacaacct tttccatgtg ttcagttcat tggaggggat ggaggagatg ttggatttta 60
catgtttaga tcagagaatg atgctaagaa aatgacaggg tctagagaga ccattcatgt 120

tccaaatggt gagcttctga gggtcacata tgaagtggag tctttgatgt tcccttctaa 180
 ccggaagatg atcaagtctt tgtcattgga agcatcaggc tcagatcggg ttccagttat 240
 tgatgttgca cgatgcacgc c 261

<210> 18010
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959233H1

<400> 18010

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 acagttggca aaggcaaagg ctgctcctga tataaatcct aacttaatat aaataacaga 120
 gagagttgta attaaagaaa agcccaagga ccaaattcca gagattgagt ggtgggatgt 180
 gcctcttctg cattctggaa attatggtga tgttgataat ggaatcatag gcgaagataa 240
 actgaaaata gaaaaaatca attttt 266

<210> 18011
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959234H1

<400> 18011

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 taacccaaaa gagttcatgg acccttaatt aaaaaatatt ttgcctagaa ccaaacctg 120
 cccttactct ataacattta ccaaccggga attcttctctg gacgttttgt tttttgatc 180
 tagacacttg gaagaagaat gagttgtttt ccttttttca aagactaaga gaaccaacag 240
 caagagggag cagcaaggca ttat 264

<210> 18012
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959235H1

<400> 18012

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 atttcgagtc caaggccgac gccggagcct ccaaaaccta ccctcaccaa gccggtacca 120
 tccgcaagaa cggctacatc gtcacaaag gccgcccctg caaggttgtg gaagtttcga 180
 cttccaaaac tggaaagcac ggtcacgcta agtgtcactt tgttggaatt gatattttca 240
 ctgccaagaa acttgagga 259

<210> 18013

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700959237H1

<400> 18013

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 cgcttccctg ttgctgggtc agaggatgat gcacagaaac ttatatctat tgccagtaat 180
 attaattgga gcttaggtga tggaagattg gaagatgtga atccaaaact tctacagcaa 240
 tttgccttag gcgctagg 258

<210> 18014

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700959238H1

<400> 18014

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 agacttagac catatatatt ctatgacatc agacatgggc gcgagtctca cagaggtgga 180
 tcagtgtctt atcaaaacat acatgaagca caattttgtc tccgactgta tgagcatggt 240
 cagaaaacag tgaagtcttt g 261

002220-ETFE560

<210> 18015
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700959239H1

<400> 18015

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gctttgttag atggattgag tacgacggtc tttgtagtgt acaggcaagg catagccact 180
tgggcattgg cgcctatggg tttctctcct aagcggagac aatcagtgaag agactctttg 240
ggattcagga gct 253

<210> 18016
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959240H1

<400> 18016

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gtttcctgac atgctcaaga aggccgacct gcacaaatta caatcagaaa tcttgacgtg 120
tctcccttcc atgcctgatt tgcacatact cagggaggga atctcaagtt ggcatattaa 180
agaatatctg tacaattggt tgccagtaag attttccagt agcaatcata ctgatgcatg 240
tgttctgcat agtgt 255

<210> 18017
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959241H1

<400> 18017

aagtacttat gattatcata ttatgtaata acagtcacat gcattaatat gaatatatag 60
tttgagtttg agcacaagcc aggttgagag atggagggaa gtatccggtg ctctgccaac 120
tacgttcctc tcaactcaat cagcttcttg gaccgcgccg ccgtcggtta ccgcgacaga 180

ctttctcttg tctccggtga cgttacctac acgtggaccc agacacacca acgctgcatc 240
 aaacttgctt cttcc 255

<210> 18018
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959243H1

<400> 18018

catgaatgaa agccttgatt cattcttttg tgcactttta aatgcccaga cttctctcat 60
 ggagttcatt cctcgatatg aaagaggtct cgagcaacgc cgtgaagaag aaagaaaaga 120
 ggattttaat acttctaatt ttcaaccgat tttgcaaact aaagaaccag tggaagaaca 180
 atttagaaag ctttacactc ttactgtttt caaaatattt caaaaagagc ttttgagtg 240
 ctttagctat ctt 253

<210> 18019
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959245H1

<400> 18019

tatagcttca tccccaaaag ctcttttcct tctaaatttg attccttagt tcagcattct 60
 attattatat atgggttctt caccttcctc agaaaacaaa aacctagagg gagtagctgg 120
 tggtgccgga gagaaaccca ttccacttgg tgagaacgta ctgcagaagc atgctgcatt 180
 ctttgacttg aataaagatg gtgtcatata cccatgggag acttttaaag ggttgcgatga 240
 aatcgggact ggg 253

<210> 18020
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959248H1

<400> 18020

gcaacccatc ctgcccgaga agacggcgag acgcggggtt aagattaaac ttcaacccga 60
 acttctcgag gatgttggac aaaccactca caatgtcaag ggtgatgcca gtgagtttct 120
 gaacattgtc caaggtctcg gtatgaaact gtccttgat cttcttctca cttcttttgc 180
 catcgtcaaa accctccatg caggcctgtt ggtacgagat aacagcgctg agccagttct 240
 tgaagtcagc ctgttggtta tg 262

<210> 18021
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959208H1

<400> 18021

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 gagagggtcc agtgggtgtg ttctccacg gcttccctga gctctggtac tcatggcgcc 120
 atcagattct ctctctcagc tccctcggct accgcgccgt cgctcccgat ctccgtggct 180
 acggtgacac cgaagcacca cttcaatca gcagctacaa ctgcttcac atagtgggtg 240
 atctcgttgc gcttattga 259

<210> 18022
 <211> 128
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959166H1

<400> 18022

tgatcaaggc cacgttcttg aggcgtgtaa agacagtctc aagaagcttc agttaacgta 60
 tctagattta tatcttggtc actttcctgt tgccgtaagg catactgggg ttgctaatac 120
 ttctagtc 128

<210> 18023
 <211> 75
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959167H1

002260-03200

<400> 18023

atcgttcttc catcatgggtt ggcagaccgg tgaagcggcg gagcaaattg ttgcagagat 60

tccatacaag atacg 75

<210> 18024

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700959168H1

<400> 18024

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ttatatgaaa taagtagtcc tgctgctttt gtatgaataa gttgtctcgc attttatcat 120

tgtgcgtttt gtatcagtac cagtcacaa cttgttttct tgcttttatg agttcttttg 180

ttgacttaaa accgcaattg aaacctcatt ctgcacgcta cctatgatta at 232

<210> 18025

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700959169H1

<400> 18025

aaccattgaa gccaaatttt ctctctcttc ttctctcttc tgtctctttt cttttccttc 60

tctcaatcat tctctgtac ttttactct ctggggtcag ggccaatcat tgccacgtc 120

ttgctctgca cccttctctc catctctcta 150

<210> 18026

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700959170H1

<400> 18026

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gccatccagc gccttcaatt ctcccttctg gactacaaat tctgggtgctc ctgtttggaa 180
 caacaactcc tctttaaccg ttggagctag aggtccaatt ctgcttgagg 230

<210> 18027
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959171H1

<400> 18027

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 gcccttggtg ttggtttgta gcttttgctg aaatctagca ataatgaaga aggttattgg 120
 tcaaactgtt agggacctta aaagagaagt aaataagaaa gtgctgaaag ttcctgggat 180
 tgaacagaag gttcttgatg ctaccagcaa tgaaccatgg ggtcctcatg ga 232

<210> 18028
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959172H1

<400> 18028

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 attcaagaca ttggtgagaa gattgagggg gcagttgggt ttgggaagcc aactgcagat 180
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<210> 18029
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959173H1

<400> 18029

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 ggattggatc ttaagcccaa ttaaaaagaa aagtttaaatt ttatattttg gaatgaaatg 120

002220"ETTES

gaaagagctg ggttgaattt gtgttaaggt gttgctaggt gcacctaaca tttttttcaa 180

aatgtcaaag ttgtccctca tttgtgttgg gtgtgcatga gaggttggtt t 231

<210> 18030
<211> 86
<212> DNA
<213> Glycine max

<223> Clone ID: 700959174H1

<400> 18030

gacattttaga gattggaatc atccgtgttc ctctctctca tctctctttc tctctgttcc 60

ctcggtttcc ttactttgaa gtttaa 86

<210> 18031
<211> 70
<212> DNA
<213> Glycine max

<223> Clone ID: 700959175H1

<400> 18031

ggcatcttgt gttgtgtcgc tcttttaagc tatttccttc tcttaacaca attggttgtg 60

ccaattgccca 70

<210> 18032
<211> 149
<212> DNA
<213> Glycine max

<223> Clone ID: 700959176H1

<400> 18032

gttttctaga gttcacaata gctccatcc tgctatctgg tataattttg tagggagggtg 60

gctccatgcc actataatat agactataga ataattaaac tttttttttt atgtattcat 120

agttttattc aactagtctc ttctgggtt 149

<210> 18033
<211> 118
<212> DNA
<213> Glycine max

002220-03200

<223> Clone ID: 700959177H1

<400> 18033

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atgtatgcag agccttggag gagaaaatac tgccttattg tgatgggata atgaccca 118

<210> 18034

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700959178H1

<400> 18034

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gaggaccagt tgagtaaaaa caccat 86

<210> 18035

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 700959179H1

<400> 18035

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ggttggggtc gactcagttc ggtttttcat tctctcgca atctaata taggaaaagc 120

taagggcaca tcacaatgaa ggcattgatt c 151

<210> 18036

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700959181H1

<400> 18036

cgcaagaaga cattgttaat ttgagagatg gcgagttacg aggctattaa gaactttgat 60

gatgatgatg atgatgatga tgatgt 86

<210> 18037
 <211> 229
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959182H1

 <400> 18037

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 gtgtggtctc gggggaacca aaaactgtga aattctgaag ccactaggcc ttttaaaaac 180
 caaactaagg aagacggttt agacagagag tacttcaagc taagaaaat 229

<210> 18038
 <211> 227
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959183H1

 <400> 18038

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 tccccgctcc tccagggtcat cggcatcgtc cccgccctcg ccggctccga cgtctgggtcc 180
 aaccagggtt tctattttaa cctctccgac tccgtcaact ccaccta 227

<210> 18039
 <211> 148
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959184H1

 <400> 18039

 aaaataatca ctgaagaatc acaaaacaac tctggaagat tgcagggtcca attgttattg 60
 ctaatgagaa cttgaatcca aatgatacta ggcggaagac agttaattac ttgcaaaaag 120
 ctgccgtggc atatggctct ggaaagcc 148

<210> 18040
 <211> 230

<212> DNA
 <213> Glycine max

<223> Clone ID: 700959185H1

<400> 18040

gaatcatgtc aaaggagaaa agatgattct agtgtggaat ttgcgagtc ctcatatgcc 60
 gatgatgtct ggtataagaa aatggaggcc tgcattactc ccactcctaa agttactggc 120
 gggaatctta aaccatttcc aagcaggcta tatgccattc ctcccagaat tgctagtggc 180
 ttagttcctg gactttcctc tgagacatac caggatgata acaaaaagtg 230

<210> 18041
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959186H1

<400> 18041

gatcgagata actagaaaca gtgtgatgaa aatgaaggtc cttgttttct tcgttgctac 60
 aattttggta gcatggcaat gccatgcgta cgatatgttc cctctccgaa tgaacactgg 120
 ctatgggtgcc cgtactccgg aggtgaaatg cgcaagttgg aggcttgctg tggaagcaca 180
 caacatcttt ggctttgaga ccattcctga agagtgcgtt gaagcaac 228

<210> 18042
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959187H1

<400> 18042

aatttatggt gcgcaccgag tatgactcgc caatcgcttc tctgaacaat tctggataat 60
 ttcaggaaaag gagtattttt ggagagaaaa tacagtgagc aggtacattt agaaagtaag 120
 gaggtgatgt tagcatttgg agcccagtgt tcacgaaccc aacaacaaca ataaacagag 180
 aaaaaaatta atttgcctta tgtctagctt tacgacatcg ttttgctctt 230

<210> 18043
 <211> 230

002200 "CTT560"

<212> DNA
<213> Glycine max

<223> Clone ID: 700959189H1

<400> 18043

aaagaagagg gaactagttt ctgcattctc tgtttctggt gttgttcact tgttctcttc 60
atttcaagtt tcaaccttaa tcttccgaa ccaacacata aacatccaac actctcttct 120
tcttcttctc tctccgctgg ttcaattgaa cctcacaaaa cctcttttct ctctctctag 180
atctgttcaa atcccgaatc atttccgctc caatttcaat tccccgaac 230

<210> 18044
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700959190H1

<400> 18044

aacggagcac ctctcttcag gtcgccatct agactgcaat catggctgat ggaccacagc 60
atccatcagt tgttcagaag ctagctggac agtcttacct ggtatccagg ctaagcccca 120
actttaactc tgggaattat tctctgactg gttcttactt caatggagga ctgcactctt 180
ctgggttggc tgttgtgtcg cctggatctc cagttactgt gcatgctcc 229

<210> 18045
<211> 217
<212> DNA
<213> Glycine max

<223> Clone ID: 700959191H1

<400> 18045

cctacttcat ctcttggtta cagcccatca tccccaggct atagtccctc atcacccggg 60
tacagtccca cttcacccgg atacagcccc acgtcacccg ggtacagtcc cacgtcacct 120
gggtacagtc ccacctctcc gacttatagt cctagctctc cgggatatag tcttacaagt 180
ccagcttatt cgcctaccag tccatcctac tctccca 217

<210> 18046
<211> 206

002220"032200

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700959192H1
 <400> 18046

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 gctccagagg atgagagtca gaggcattgt ggctctggaa gcagaagtat aaatgctgag 120
 ctgggaggag aacattgtga gaaatctgaa tgtgattctc attggggaac gggatctgta 180
 cacagacccg ttaatcctga gctgca 206

<210> 18047
 <211> 231
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959193H1
 <400> 18047

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 caagggtcac aatataaagg ggaacttggt gattatgcga aagaatgtgt tggatatcaa 120
 cagcattacc agtgtaagg gtgtcatcgg aaccggcatt aacatcattg gaggagtcgt 180
 cgacaccgtt actgctttgg cgtcccacat ctccatccag ctcatcattg c 231

<210> 18048
 <211> 154
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959165H1
 <400> 18048

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 tgccaattgc catagtcacc aaccaattaa caaagggtata tatatcatca tatcatcacc 120
 aaatgacaaa tattgggttg ttttttcttg tggt 154

<210> 18049
 <211> 84
 <212> DNA
 <213> Glycine max

002220" ETTT560

<223> Clone ID: 700959194H1

<400> 18049

ctttaagaag ctgcgtttgt gatattttct cctaccattt ctgagcttgt ttgaactttc 60

actcgagct tcttattctt gtga 84

<210> 18050

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700959195H1

<400> 18050

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acaacctcaa aaatggccat tagaaaatca aacaaacttc cccaacacgc agtagttttg 120

aagcaaattcc taaagaggtg ttcgagccta 150

<210> 18051

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700959202H1

<400> 18051

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ccgtcactta cgagtccctt taccctatct acggcatgtc attctcccc tcccaccccc 120

accgcctcgc cctcggcagc ttcattgaag aatacaacaa ccgcgtcgac atcctctctt 180

tccaccctga caccctttcg gtaactcccc acccttctct ctcctt 226

<210> 18052

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700959204H1

<400> 18052

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gtagaagatg agtacgctgg atgcaacaag ggctgaactt ggtcttcttg ttttatattt 120
 gggcaaggct gaagcaaggg acaaaatatg cagggaata caatatggtt ccaaattttt 180
 gagtaatggg gaacctggta ctgctcagaa tgtagacaaa acaaccagct tggcacgaaa 240
 agtcttccgt ctctttaagt ttg 263

<210> 18053
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959205H1
 <400> 18053

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 tggctcttgcg agagaaagcc atgccagaga cgaagatttt tggcatgctg tttggccaaa 120
 cactcccatt ccaagttcat tgcgagatct tctaaagcct ggccctgcaa gtgttgaaat 180
 cgatgatcac cctatgcaaa ttgaagaaac acagtacccg aaaaccttct tctataaaga 240
 agaccttcat ccaggcaaaa 260

<210> 18054
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959207H1
 <400> 18054

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 cttttgggaa gagtggaact aatgtgaaaa cagctatttt tctgtcccc aagtttgaac 180
 ttggaccagg atcggtagcc aataaatatg attatgacgc tgattttcca agaggtcata 240
 tagcacttaa gagtttcaat g 261

<210> 18055
 <211> 94
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959119H1

<400> 18055

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tctgatagcg ctctgtgcg gtactccgaa aggg 94

<210> 18056

<211> 94

<212> DNA

<213> Glycine max

<223> Clone ID: 700959120H1

<400> 18056

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ctccaaggat cgcgagaact tcgtctacat cgcc 94

<210> 18057

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700959121H1

<400> 18057

gagagagggga cattaagat gatgtaggac ccactatctt ttataatttc caagaagaga 60

atgtgttcaa aagagtgtat tggtggcatt tctgttgtat aattgtaaga gatttatgag 120

aaattttctg tatcttctaa gtgaattgtt ttgttgaaata attgcagaaa caatagtgt 180

ttgttgaaaa acatattctc atcataaaact gggatagggtt tgt 223

<210> 18058

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700959122H1

<400> 18058

ggattagatg ccagagacca ccaatttgat cttcaacttg gaggcagaat gttctacaat 60

actcaagaca tgctgtggcg gaggaagctg gaggagcagg ctgatttgca gcaagctctt 120

gagctacaaa gtaggaggct aatgggtctg caacttcttg acatcaagaa gcatcaccag 180
 cgtgcactct gcaactggaag cccaattcct tccccaccc attctcctaa catgttcaac 240

<210> 18059
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959123H1

<400> 18059

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 tcaggcttgt gagagaactt gagaaaaagt ttagtggaag agatgtaatc ttgattgccca 120
 ccaggaggat agtaaggcca ccaaagaaag gttctgctgt tcagcgcccc cgcaccagaa 180
 cactcactgc tgtacatgag gcaatgctgg aagatattgt attgcctgct gagattgttg 240

<210> 18060
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959124H1

<400> 18060

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 gagaactcgt tcatagaaga agacgagccg caagaaacag cttatgattc gtcggagaag 120
 atagtggtag tcggagtcga cgagtccgat gacgaggaga attgggggag agtgccccga 180
 ttctcgtgga agaagctatg gctgttcacc gggccgggct ttctgatgag c 231

<210> 18061
 <211> 126
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959125H1

<400> 18061

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 ttttggttaa aaaaaaaaaa aaaaaacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaacaa

126

<210> 18062
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700959126H1

<400> 18062

gcaagatttc tgcagagta tagatttgat gtctcaaat tggagccagt ggtggccaag 60
cctcattctc cggataatcg tgctttggca agagagtgc aggatgtgaa aagtaacaga 120
gtatacatag gatcttgtag aggtggcaaa acagaggatt tcatggctgc agcaaaagtt 180
tttctggcat caggtaaaca ggtcaaagtt cctacatttc ttgtgcctgc aacacaaaag 240
gt 242

<210> 18063
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: 700959127H1

<400> 18063

ccacattcaa atccaaatgg ccctttacat tacactaata attggcctcc tagtaaacac 60
cctagtactc tataaatagc atttgcagtc acctagtct tcacaaaaat actcctcttg 120
gcatcttgtag ttgtgtccct cttttaagct atttcctt 158

<210> 18064
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700959130H1

<400> 18064

gttgaaacaa ttgcaactaa gggcattggc tagcacactt aatgaaggag agttgtctga 60
tctaaaagat cagtttgatg caatagatgt ggacaaaaat ggttctatta gtcttgagga 120
catgagacag gctcttgcta aagatcaacc ttggaagttg aaagaatcac gtgtgctaga 180

gatattgcaa gcgatagaca gcaacacaga tgggctagtg gatttcaccg agtttgtggc 240

a

241

<210> 18065
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: 700959131H1

<400> 18065

agaatccata aaacacacaa aaactcaggg tagggcagag agagagagag aaatgggagg 60

ttgggctatc gcggtgcatg gtggcgctgg tgtggaccct aatcttcac tcgagcgtca 120

agaagaagcg aaacaacttc tcacgcactg tctcaatc 158

<210> 18066
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700959132H1

<400> 18066

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gtggcactgg ttgtggttga agtggggccc atggctgagg ctgcggtgac ttgcaaccca 180

acacagttga ctccttgtct tccggcaatt aattcaggtt ctgcaccttc gagtgttg 239

<210> 18067
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700959133H1

<400> 18067

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cgtcgtcgat tcgatgagga agagcgtcag catgaacaac ctctcacagt acgaacatcc 180

tttagacgcc accaccacca acaacaacaa agacgccgtc gccgccggct acgcctccgc 240
cgacg 245

<210> 18068
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700959134H1

<400> 18068

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aaagaccatc acccttgagg tggaaagctc tgacaccatc gacaacgtca aggccaagat 120
ccaggacaag gaaggaattc ccccgatca gcaacgtctc atcttcgccg gaaagcagct 180
cgaggacggc cgtaccctcg ccgactacaa catccagaag gagtcaaccc ttcaccttgt 240

<210> 18069
<211> 90
<212> DNA
<213> Glycine max

<223> Clone ID: 700959135H1

<400> 18069

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cccgttcaga agcaggatca cagtcggaga 90

<210> 18070
<211> 89
<212> DNA
<213> Glycine max

<223> Clone ID: 700959137H1

<400> 18070

tgagtttcat gaacaatgat ttcgaggggtg catggccaga gattcaacat ttgattggtc 60
tcaagtctat ttatctttcc aacaacaag 89

<210> 18071
<211> 238

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700959139H1
 <400> 18071

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 ggaaatgatt gagcaatggc ctaaaaacca ggggattgaa ttgtcgaata ctgttcaata 180
 tattgatgag gaaggtttaa acgaagccga ccgtgagcat tttctttgtt tgcttaag 238

<210> 18072
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959141H1
 <400> 18072

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 gacgctggcg gaaagatcaa gaagggcgcc ggaggtagaa agggcgggcg cccaagaag 120
 aagccggttt caaggtccgt caaagccggt ctccaattcc ccgtcggaag aattggccgt 180
 tatttgaaga aaggaaggta cgctcagcgt gtcggtaccg gtgctcccgt atacttg 237

<210> 18073
 <211> 75
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959143H1
 <400> 18073

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 accacaccat agagc 75

<210> 18074
 <211> 67
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959144H1

<400> 18074
 agcagcctcc agttcgtgcc actctcttca acatggctcg tacctgctcg agtctccaca 60
 caggatg 67

<210> 18075
 <211> 122
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959146H1

<400> 18075
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 gaacggccat gaacgcgtcg ccgtttatct ggaaactaaa acgactcctc aacgtaggtt 120
 cc 122

<210> 18076
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959148H1

<400> 18076
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 tgtccctgaa gactgccaca gtgactgca ctcttctctc tccgtcggtg acgacggcga 120
 cgacaacatc gtttcgtcg cgtttcgacc tcccttgccg tttgatctca acgcgctgcc 180
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<210> 18077
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959149H1

<400> 18077
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 ttctccttat cctcaatttc tcttttcatt ctctctttc tctgttccga gagtgtgtcc 120

0959143 032200

tctcaaaatg tatccgagag tgagcagcag caagctagca ttcctccaag aggttggaac 180
tcctatgatt ccttttgctg gacaatttct gaaggagaat tcttacagag tgctga 236

<210> 18078
<211> 84
<212> DNA
<213> Glycine max

<223> Clone ID: 700959150H1

<400> 18078

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aaggacaatg gcaccgtttg cctg 84

<210> 18079
<211> 88
<212> DNA
<213> Glycine max

<223> Clone ID: 700959151H1

<400> 18079

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tccccatag ctttaatttt catggtac 88

<210> 18080
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700959118H1

<400> 18080

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gggcactgta agctttgtga caagagaatt tcttgacagaa ctgcagtagg caggtctttg 180
gtatacagac ctgcaatgct ctcaatggtg gcaatagccg ctgtctgtgt ctgtgtggcc 240
ct 242

<210> 18081
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959152H1

 <400> 18081

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 ccgcatactc ctctgctccg ggagcaaggc caccaatgcc acgtatagca tgctgccgcc 180
 ggcattgccc tctccgccgc cgccggtgag ctccgacggc gagcttggcc gtgaa 235

<210> 18082
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959154H1

 <400> 18082

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 tgttcaagct atgaacatgt tcccaaacat ggttggtcat aatcctagta tggttggggc 180
 taatatgggc cccatgaata acatgagcat ccctatgggc aacatgccca tgacc 235

<210> 18083
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959155H1

 <400> 18083

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 ctagtatatg gattgttgag ttgtcgcaag tacatgcggt aactcgaggt ggtcatcacc 180
 gagggaaagt aatttcatca catgttggtc ctgatgttca gcctccaatg gatgc 235

<210> 18084
 <211> 236
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 <213> Glycine max

<223> Clone ID: 700959156H1

<400> 18084

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 atataatcat aatgaatatt ttgatagtaa ctgggatgaa tctgtacagt gttaagatga 180
 tttatattga aaattatgta gaggattgct tctccacca acttctatgg taaata 236

<210> 18085
 <211> 236
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 <213> Glycine max

<223> Clone ID: 700959157H1

<400> 18085

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 ctctcctcc accataccat tacacatcac cacctcctcc ttccccagct cccgctccca 180
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<210> 18086
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959158H1

<400> 18086

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 aataccaaat cccaatttct ttctctcca 89

<210> 18087
 <211> 119
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959162H1

<400> 18087

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<210> 18088

<211> 90

<212> DNA

<213> Glycine max

<223> Clone ID: 700959163H1

<400> 18088

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aatcttaaac gacaatgaac aagtttccct 90

<210> 18089

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: 700959164H1

<400> 18089

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accagtactt ttacaaggtc gtgaatgctt tgctt 155

<210> 18090

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700959075H1

<400> 18090

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ttaattttga gcgttaagtg ctgcaactaa tcagatccca agaccttggc ctaccttgcc 120

atacagaaaa aaaaagagca ttaaaaaggc cagggtttgg agccacccaa attagcccca 180

aggcacaagt. catggaaaga ataatggttg gaagtgcac aaaggttgct ttcaccctct 240

tgg 243

<210> 18091

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700959077H1

<400> 18091

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atgtgttcca agtgttacia ggacatgctg ttgaagcagg agcaggacaa atttgcagca 120

tcatccgttg aaaacattgt gaatggcagt tccaatggca atggaaagca ggttgtggct 180

actggtgctg ttgctgtaca agttgaagct gtggaggta agattgtctg tgctcagagt 240

tctgtggatt cgtcct 256

<210> 18092

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700959078H1

<400> 18092

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tgacgacacc atcattggta gagtctctag ttcttcaact ccatgagatc tcagctgtca 120

aatttggcaa cttcaagctc aaatctggca tcttctcacc aatctacata gacctccgcc 180

tcatcatatc ttacccttct ctctccaac agatctctca aacccttatt tcttcagtct 240

cttccacttc ctttgacctc g 261

<210> 18093

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700959079H1

<400> 18093

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 gtttttggcc aagttgccac caccaccttg cacaccagaa gaatcaagtg ctactcatca 180
 tcacaaaaac caccaccctc ttcttgattt tcaaattcca cttcctcctt gtgcttttca 240
 gcctcccttt tatagaactt cct 263

<210> 18094
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959080H1
 <400> 18094

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 agatattagt tcacctaaac agaagatatt tttctccctt tgcagcagtt accgggatat 120
 actttactgt aacaagaggc ctttctatct caaaggctctt gaagacacaa gcatcatgga 180
 tgcatacata atgcatctct caaacatgtc ttcagaacta gagactgcgt gaaaaaaaaat 240
 gattcc 246

<210> 18095
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959081H1
 <400> 18095

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 gttttcgga agtattggaa tgatagcaat ggttgctggt cagatcccaa tgacagcttt 120
 gggagtactt ttgatggata aatctgggag acgaccactt ctgctgatct ctgcatcggg 180
 aacatgctta ggatgcttcc ttgcagccct atcattcacc ttacaggacc tacataaatg 240
 gaaggtagga agtcccat 258

<210> 18096
 <211> 235

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700959084H1
 <400> 18096

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 atgcccacatct cttcaggtaa gcaataattt ctgtttgttg tttatatgtt tttttacact 120
 actttctgct ctcatactcg tttatcgatg ggtataaatt agtgtgttga aattgcaaaa 180
 cagaaaaatgt aaaactggcg ttgtgatttg tggcatcgta aattgactct ttaag 235

<210> 18097
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 <213> Glycine max
 <223> Clone ID: 700959085H1
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 tctttgttga attttgttga tggaagaagg ttacaataac taaagaacgg atgcagtact 120
 aagataaaga accattgagg aaaattcatt ttcaggttta gtgttacaaa agtaacttag 180
 aagggtcaga aaaccactgg gtggcggttca cagaattaat gccactgaag gggttttttg 240
 ctgcatatct c 251

<210> 18098
 <211> 249
 <212> DNA
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 <223> Clone ID: 700959086H1
 <400> 18098

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 tgaatgtatt gaatccatat gtccatcagt ttttggtagg atggattact gtattggaca 180
 gtgtcccgga tattgacagc ctggctttct tcttgatttt cttgatgggt tgtttaatat 240
 gttgagtga 249

<210> 18099
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959087H1

<400> 18099

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 agattcttcc ctctcccttc tctctctctc tctagaactt cgtcctccct ctgcttcttt 120
 cttgcttagt tgcagcgca ttgctgcac gtctccaat aagagctcg tgctagttaa 180
 ccctaacacg gcggaacga gaggtgttcg gttgaagctc agatcagca tggcagcagc 240
 aacccgcact tct 253

<210> 18100
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959089H1

<400> 18100

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 caaaaatcac aagcatgcag acttagtatt tgcagactga ttttcgtttc agatttcact 180
 taatttgaga tgttttgta aattttggga aataaa 216

<210> 18101
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959090H1

<400> 18101

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 ggatttcatt gcggcctgtg agatgctcga gagggcggtg aagcttttgc aggaagaagg 120
 ggcaaccagc ctagctccag attacaagc acaaatagat gagacgctag aagagataac 180

cccacgttgt gttttggaac ttttagcctt gcctcttgat gacgaacatc gagcgcggag 240
ggaggcaggt cttctt 256

<210> 18102
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700959091H1

<400> 18102

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cctctagaac tcgagatctg aaagagaaaa gagaaattac tcatagaaca accaggacct 120
cagaatcttc tcagagatca gtcgagtcaa atgctgccaa gtatctaaag ggacagtctt 180
tgaacagaag ctggaatgga tctgcggata catctgtatc cgtcaaattct cctacaaacg 240
aggaagaaga ttcttct 257

<210> 18103
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700959092H1

<400> 18103

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acggaggcac ccaggagagg ctttaatgaa tggcggttct gcatctagta acttaagggc 120
agctctctcc cattgcgtac aacaagtgcg aagttatgat tatcatcact atctttgcct 180
tctcgagctg cctccgtcta tgcggaaggc tgcatttgca ctccgtgcct tgaatgttga 240
aaca 244

<210> 18104
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700959093H1

<400> 18104

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 gcccgtactc cggaggtgaa atgcgcaagt tggaggcttg ctgtggaagc acacaacatc 180
 tttggctttg agaccattcc tgacgagtgc gttgaagcaa caaaggaata catccatggc 240
 gaacaatata gatcagact 259

<210> 18105
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959095H1

<400> 18105

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 gaaggtaacc acctcactca cgccgctatt atcggccacg acggcagcgt ttgggctcag 120
 agcgccaact tccctcagtt caaagctgag gaaataactg ctatcatgaa tgactttaac 180
 gagcctggat cacttgctcc aactggattg tttctcgctg ccaccaaata catgggtcatc 240
 cagggcgagc ctgggtgccgt c 261

<210> 18106
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959101H1

<400> 18106

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 gaggtgcta acttcacagc ccaagtcac atcatgaccc accctgggtca gattggaaat 180
 ggctatgccc ctgtcctcga ctgccacact tctcacattg ctgtcaagtt tgctga 236

<210> 18107
 <211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959102H1

<400> 18107

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agaagatagg agagctagac tgcaggctca gtttgctcaa at 102

<210> 18108

<211> 108

<212> DNA

<213> Glycine max

<223> Clone ID: 700959103H1

<400> 18108

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tctggaccct gttgtatcct cttgtgttct gtgcacccaa cgatgggt 108

<210> 18109

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700959105H1

<400> 18109

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tgaggttggt cttgagtcct gggatatccat atgaagaaat tttgaggacc tttcacaatc 120

agacaagcat aatcatgtgc tcctatctac cagttttcac aagctttaac agaaccaaag 180

gtggcttgat tcaattaaac catggtaggc ctcagcctct ccaatatgtg gtcaatgcgg 240

<210> 18110

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700959108H1

<400> 18110

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tgttgacagc accaactgat aaacctggag tggcattgct tgattttgtc attttccac 120

0959102H1

ccagatggct ggttgctgag catactttcc ggcctccata ttatcatcgc aattgcatga 180
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<210> 18111
 <211> 161
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959110H1
 <400> 18111

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 tggacactgg tggaaagatc aagaagggcg ccggaggaag aaagggcggc ggcccaaaga 120
 agaagccggt ttcaaggtcc gtcaaggccg gtctccaatt c 161

<210> 18112
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959111H1
 <400> 18112

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 agagagatgg gtggtgtaac ttcttctatg gcggcgaaga tggcgttttt ttccgcctag 120
 cccgccgtcg tacgaggtgg tggaggaagc ggcgacgggg gcgttggtgt tggaggcatt 180
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<210> 18113
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959112H1
 <400> 18113

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 actcctttca ggccattggc tggacgattt ccttaactaa gattttgtac aatcttctcg 120

tcaactgcac catcaaagga acctatgctt ccgcgccag cttaatctgt tttctgcaat 180
 gcgctgcatt cttggaagtt atacacggag ccattggcat tgtgcccagc ggggttttgc 240
 ttc 243

<210> 18114
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959074H1
 <400> 18114

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 aaaatggatc aatcacagaa tcagagacca gcgacatcaa caaccacacc ctgcgctct 120
 ttccagttcc accccttcg tgactcaatt ttcgatctct tcaacctcta cttaggactc 180
 ggccgaaaca gtcgccagaa acccgatgac tcacttcgcg acccaccgaa caagagcact 240
 atacgcgtac acgccct 257

<210> 18115
 <211> 98
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959114H1
 <400> 18115

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 ggctttcact cctccaacg acgaatacaa aaaggcca 98

<210> 18116
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959116H1
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cgagaaggaa ttttaaggaga agattgaggc ggtgggagcg atggatcacg agagtttggt 180
gcctctcagg gcttactatt tcagcagga tgagaagctc cttgtctatg attatagcc 240
catggga 247

<210> 18117
<211> 97
<212> DNA
<213> Glycine max

<223> Clone ID: 700959117H1

<400> 18117

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taattagtag gctttggcct atttgtgtc ccttctt 97

<210> 18118
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700959032H1

<400> 18118

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caatcatagt tctgattttc atacacttac cctgaaacct ccattctcag atcaagcttg 120
caccaaaata catacatagc tatggacaat aatactagtg cctgtgccta cccccaactt 180
gagtcagaag aagcatcttc agagcccaat cagaaactcc aacattcaag gacaaggaaa 240
tgggttgaga aaacagttgt ggcag 265

<210> 18119
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700959033H1

<400> 18119

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catagaggaa tggatgcac tattaatgat gagcatgagt gcttaaagtg gcttgacacg 120

aaggaaccga attcagttgt ttatgtgtgc tttggaacta caacaaagtt aactgattct 180
 caacttgagg atattgccat tggcttagag gcttcagggc aacaattcat ctgggtcgtg 240
 aggaaaagcg aaaaagatgg 260

<210> 18120
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959034H1

<400> 18120

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 attccatgca caagaggcgt gccactggtg gcaagaaaaa ggcttggaga aagaagagaa 120
 agtatgagct tgggcgtcag gcagcaaaca ccaagttatc aagcaacaag acaatcagga 180
 ggattcgtgt tagaggtggc aatgttaaataa ggagggcatt gaggctggat actggcaatt 240
 actcatgggg tagtgaagca 260

<210> 18121
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959037H1

<400> 18121

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 caccatcatt tgatgccatc catcgtgtgc tttcaaggcc ttagaccctt cactaggttc 180
 acaaccaaaag tgatcagctc ctcccatgag ggttattcca aatggtggtg tcggtgtag 240
 agctgtactc atctccg 257

<210> 18122
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959038H1

<400> 18122

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 atattcggag cgcacaaata agtatgcaac tcaacacatc cttccacacg gagaattcat 120
 cttcggtagg aagggcgtag atcattcagc tatgagttca tcccagtaga aggccaaagg 180
 ggcgagaaac cctacttttt cccattctta tacgaaacgt cagacataga tgagaacaat 240
 ctctaccctt ttgtgca 257

<210> 18123

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700959039H1

<400> 18123

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 aaaatcatgg agatggagcg catcgttgaa ttccctcaca cctacatgga tcgaccccca 120
 agaaagagag cgcggttggg ctgggacatc gctgaggccc ccaaggctca ggtaggattg 180
 ttttgtggac aagaggttga gaatatttca agctatgctc cttcagaaca tccccctagt 240
 tctctgttta aggg 254

<210> 18124

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 700959042H1

<400> 18124

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 ttctggtcatt tggtgatatg gcattggcca ttgccacca tgaaatgtga atcattcaat 120
 cccaggattt agcattagca ctagtgattg c 151

<210> 18125

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700959045H1

<400> 18125

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 ctatttgatg gatcagctct ctctgtcag agaggacaaa caccattctt tgagttcatc 180
 atcagggata tgtggatga tgcctcaaa aggtgtctca tctacatttc atagttcaaa 240
 tagtggacag cttgaaaggt 260

<210> 18126

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700959047H1

<400> 18126

gagactgaga cagtgatatg gcgtatctga gattctcaca cgcagcacca cagccacacc 60
 tcacactagg ctttcttca ccacctcaat ttctctctat tgctgtcca aaattctctc 120
 cctcgtcttc taccatcagg tgcaaagggt ttagtagatt gatagtgaat cagaggtggt 180
 gacctgtttt tgcaacaaat cccaactctg taggtgaaaa atcacccaca gaaggatcag 240
 atgtaaatga aactagcaat gctgc 265

<210> 18127

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700959048H1

<400> 18127

tgaagggcaa aatcccaa at ggaatgagaa aaaatttcta taattagagt ctactctca 60
 tactcgttgt atgtatggct acgctctctc tactctcaa ctgttggagt accgtggaac 120
 ttgctcacac cagattttct tctaccttca cctccctcgg tcgcaggagt agatatagca 180
 tatgttcttt tgccaagaag tcattgaaga aatccagaag agatgtaaca gaggcagctg 240
 gagatctctt agatgataag ttt 263

<210> 18128
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959051H1

<400> 18128

ggctgataag attgcactaa agttagttgg accaggtgga tttgtagtta ctgaagctgg 60
 ttttggtgct gatattggag ctgaaaagtt tatgaacatt aagtgtcggt atagtgggtt 120
 gacacctcaa tgtgcgatta ttgtggcaac tatcagagca ctaaaaatgc atgggtggagg 180
 gcctgcagtt gttgctggaa gacctcttga ccatgcatat ttgactgaca atgttgcctt 240
 gggtgaggct gggtgtg 257

<210> 18129
 <211> 101
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959052H1

<400> 18129

gactatggaa aattactatg attctggctg gcacatgggc accagcaact gggctcaatg 60
 cagtgatcat tcttcttctt ctctctttgc agtgcccaca c 101

<210> 18130
 <211> 147
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959053H1

<400> 18130

ggacattcct atgaatccag tggttggtct tattgtttgc cctgctgtcc acagggattt 60
 gggcccgctc tgaacttcaa tgctgaggtg aaccctcctg ctgaccatgt aaaaactttt 120
 ggggacaaaa ttggtcccta tggtgaa 147

<210> 18131
 <211> 254

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700959055H1
 <400> 18131

cttatctcac ccttctttga ctgttctccc acaccacatg catgacactc ctcttctcc 60
 ttattctcct cttacacgcg gcggaagcta agggccagtg gcaggtcctc tacaaaatca 120
 tctgtactgt cgccatgtac atactgcttc tccacaacga ccgcgtcatc atcttctacc 180
 gctccgactt cggactctcc aacctaacgc tccacgcaga aatatgccgt aacgaggcat 240
 acgagttgct cgtc 254

<210> 18132
 <211> 207
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959057H1
 <400> 18132

ggtggccttg cggatattga aacgagttac acgtgtgtca tgaagtttgg cggctcctct 60
 gttgccaatg cagaaaggat gagagagggt gccaacctta ttctgagctt cccggaagag 120
 aggctataa ttgttctctc tgccatggga aagacaacta acatgctgtt gctggctgga 180
 gaaaaagctg taagctgtgg aataact 207

<210> 18133
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959061H1
 <400> 18133

gtgaagttgg ggtcagaggt gtctaaacag atggagtga gaaagacaat ccagacagag 60
 aggatgagtc tgtccgagct gaatagcagc gtagaagact accctggctc cgactaccgt 120
 cccaagaca gaaaaaactg gatgtcccat ctcgacccta cagaaactcc gcatcaacca 180
 aatcggctgg cccggcatcc acgactccgc aaccaacaaa attggcatcc ctctcctcac 240
 tcgccccttc gcgcagtgcc a 261

catgcttgca ggcacagatg ggacagttcc atctaaggag aaggcttgaa aagggagaga 180
aattaagttc tcccttttga ttattctgta ttggtgccca atgtgtttcc aaaacactta 240
gaattatgat agaaata 257

<210> 18137
<211> 257
<212> DNA
<213> Glycine max
<223> Clone ID: 700959066H1
<400> 18137

gcgaatgaaa attcgттаат ccaaatttgt cttctattta ccatatttat atggtaaata 60
gaagacaaat таататсат атсатсат атататат атататат аааааааа 120
aagacacgca ttatggtatg gcattgatac таатсатсат ататататсат тагааааааа 180
aagaatccac aaaattatgt tttttttaag tataaccattt tttatggatga атсататаааа 240
aaagtctcct ttatatc 257

<210> 18138
<211> 254
<212> DNA
<213> Glycine max
<223> Clone ID: 700959067H1
<400> 18138

gcaccaacgc atagccagac catggtgaaa gaactggtgg tttttatgct tgcaatcggt 60
atgaagcagc тааааааааа ggagtgtatg atgatactga аагаагаааа gaaatggcaa 120
agaattcgct ggagagatac actcattatt atgagcgggtg ggccagcaat caatcttcaa 180
ggcaaaaagc tcttgсagat ctacagcaga tgcaaaactgt tcatattgag aagcttagtg 240
acatacagtg tcag 254

<210> 18139
<211> 146
<212> DNA
<213> Glycine max
<223> Clone ID: 700959068H1

<400> 18139

gtcaattcgg agcactattc tcaatctcat catgctgtgg ggcgaaacag cattaagggc 60
 cactcaattt tcaatggccc ttgtcttttt gtgggtctag gtccaaaagg cttgttggat 120
 tctgatgcag ttaggagccc cacttc 146

<210> 18140

<211> 252

<212> DNA

<213> Glycine .max

<223> Clone ID: 700959069H1

<400> 18140

gaagaagggtg tgttggagaa tgaaaactga gacagagcca aatgaaaccg agtcagattt 60
 cagcgagttg actcgcgagt gcctcatcaa catcctctct cgactcagcg tcgaggatcg 120
 atggcgcgggc accatgctcg ttgcaagtc atgggtcagc gtcttcaagg aaccctctct 180
 tcatttcgtc ttcaacctcg accctcaatt cgactcgccc accgaatcaa ctcgctgggtg 240
 gacccccgag tt 252

<210> 18141

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700959070H1

<400> 18141

cagaggcttt cagaggaaga ggagcgcaag aagctgagaa aaacatgtga gacaccaggg 60
 tgtttcagaa tcatcaacca ctcaattcca ctaacactca tggccgacat gaagtcagtg 120
 gttaaatact tgcattgacct tcccacggaa atcaaaatgc gcaacaaacc ctccgtccct 180
 gagagtggct atagggcggc aatgccaaaca agtcctctat acgagggcat gggaatatat 240
 gacatgcatg cctc 254

<210> 18142

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700959073H1

<400> 18142

cagaaaaaaaa aaatgtccta attgctctac accctcttat atataaagat ggtgatttta 60
atctctaggc cacaaaaatg aaccagattt gagaacatcc cttgtattga agaacaccct 120
ctttggatac ccttttggtta aagccaagac ttttctcaga ttgagaaga agaagaaggt 180
gggggaggag atagtaatag ggaaaacata tgtgagagaa aaataaagca caaacgtgag 240
gccgttggtg aaaca 255

<210> 18143

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700959031H1

<400> 18143

ctcgagccgc ttggagggtc gtagagaaca agttgagttc ttagttccaa ttatagaaca 60
acgaagaaga gcaatccaaa acccggttc agatcacacc gccacaacgt tttcctacct 120
agacacactt tttgatctca aagttgaagg gaagaaatca gcaccttctg atgcagaatt 180
ggtttcactg tgctcagagt ttctcaacgg tggcacagac acaacagcaa cagcggttga 240
gtggggcata gcacagctca tagcaaa 267

<210> 18144

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700958996H1

<400> 18144

ggccaacggc tttcaagctt ttcacaggtt cggcatggat ggcaactgtca aaatctttca 60
ttgattactg catatgggga tgggacaacc tacctcgaac cgtactcatg tactattcaa 120
atttcatatc ttcccctgaa ggatacttcc acacagttat ttgcaatgca caagagttca 180
ggaacacaac tgtgaacagt gatttacatt tcatttcttg ggacaatcct cccaagcagc 240
atcct 245

<210> 18145
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700959001H1

<400> 18145

atcatattaa gccatggcca cctccaactt ctcaattggt ctctctctct ccctagcctt 60
ctttctagtg ctactcacca aggcaaactc aaccaacacc gtttctttca ccgtcagcaa 120
gttttcccca cgccaacaaa accttatctt ccaaggagat gctgctatct caccctccgg 180
ggtgttacga ctcaccaagg ttgacagcaa cgacgtgcca acgacgggat ccctaggacg 240
tgccctttat gctgccccaa tccagatt 268

<210> 18146
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700959002H1

<400> 18146

ctctcttggt cctttcccta ttcaagcatt cccatgctgc aggaatcgct atctactggg 60
gccaaaacgg tggagaaggc accttagcag aagcttgcaa cactagaaac taccaatatg 120
tgaacatagc cttcttggtc acttttggca acggccaaac tccacaactc aaccttgagc 180
gtcattgtga cccaacaac aatggctgca ctgggttgag cagtgcacac aaaacttgcc 240
aagaccttgg catcaaagtg ttgctct 267

<210> 18147
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700959003H1

<400> 18147

agctcaacta cattgagtc aaggggagga tgaagaaggg tgatagggtg tggcagatag 60
cgtttgggag tggctttaa tgcaacagtg ctgtgtggaa gtgcaacaga agcattaaga 120

caccggttga tgggccttgg gctgattgca ttgatcgta cccggtcgat attcctgaga 180
 tcgttaagct ctaggatgga gaattgttca agaacaagaa gataattgct tattttatga 240
 aaaaaaaaa tagatgagtt ctc 263

<210> 18148
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959004H1
 <400> 18148

tggtgagaga aacaggcttt gatatttcag ttgctagtga gattatggct gttttggcac 60
 tgacaacatc cttagctgat atgcgagaga ggcttgggaa aatgggttatt gggaatagca 120
 agagtgggtga ccctgtaact gctgatgac taggtgttgg aggtgcttta acagttttaa 180
 tgaaggatgc cattcacct acccttatgc agactctgga aggaactcct gttcttggtc 240
 atgcaggtcc atttgcaaat at 262

<210> 18149
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959006H1
 <400> 18149

agcttttcaa ttattcctcg aattattttg aaggaatcat ccaaactgct tgaaatattc 60
 atcatcaaca acctcacgct gttatagata ttctctctct ctctctcct ctctctctct 120
 ctcacacaca cacacacaca gatccagaca tggccgaaga acaccgatgc caagctcccg 180
 aaggtcacag actctgctcc aacaactgcg gtttcttttg tagccccgcc accatgaatc 240
 tctgttccaa atgctacaga g 261

<210> 18150
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959009H1

0053113-032000

<400> 18150
 gaaaactgta cacaagaggg attccaaaac caagtgtgta gaaaaggggtg tcaaaatctt 60
 ggccctcaaag ttgactatgt gccaaagaaac tcttcaggga atcactactg tggctcatgt 120
 ggttatggct gtccgaaagg agagaaacaa gggactcaag ctacatggct tgtagatgca 180
 gttgaaagag atgcagtaat aataacagga tgcaaagctg agaggttctt gttggaaagc 240
 aacaggagtg gaaatggcag aaa 263

<210> 18151
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959010H1

<400> 18151
 gcttcatgga tatacagtaa gagcattata cagagcattt caaacgtcag ctgaacagga 60
 gactctagtt cgagttacag tgtgggtgcat tggggagtat ggtgacatgt tagtcaatat 120
 ggtgggattg ctagacatag aagatccaat aacagtgact gagtccgatg cagttgatgt 180
 catagagatt gctatgaaac gccatgcac agatcttacc acaaaagcga tggctttgggt 240
 tgcactatta aagctctctt c 261

<210> 18152
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700959011H1

<400> 18152
 ctcgcacatt aagttatata acacatattt gcttgcttag aaatactatt attgaagata 60
 tggggagtgt agattatgag tacccttttg gcatgaacaa ctttgagaga gtgcaccaag 120
 tcgaggttcc accgccacag ccgtacttca agtctctaaa gtactctttg aaggagactt 180
 tcttccctga tgaccctttg aggcagttca agaacaagcc agcttccaag aagttctgnt 240
 tttggccttc agttcttctt cccc 264

<210> 18153
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700959012H1

<400> 18153

gtgtcatcat gttatgtgta aaaatgtctt cttcttcttc ttctcctgct gttctctcaa 60
aatgcaccgt tttccctcac cggaactcca ctctggggga cctcaagctc tctatctccg 120
accttaacat gtttttatct cactacatcc aaaaaggctg tctcttcacc actccttcac 180
ttccctctca ctctcacact ctcatccctc acctcaaaaa cgcgttttcc caaacctct 240
ctctcttccc tcccctcg 258

<210> 18154
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700959014H1

<400> 18154

aatcaccgga attgccgtaa atgccgccta tgacaacacg ctgcgaatcg acaaatacaa 60
tgcttccgtg gaccactcag gtctcttttc ccatttccac tcttcaattc aatcaatatc 120
tcacacacac acactctctc tctcatacac acacaaagtt cctcttccaa acatggcggc 180
aattttctct tcttctgtct tegtcttctc gctcttccc aaaccacttt cttctctcta 240
ttcccgaatc cataaagctc cacaacttt 269

<210> 18155
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700959015H1

<400> 18155

atcactttct tccccatcgt atgtgtgtcc ctgtcagagt atgatatgag aaactctata 60
aattaactat tttttctccc actttctgaa tcaaacacaa cacacacacg taacttcac 120

tgggtttcag gaaaaaagaa aaaggaaaac aatgggttcc gataatcacc agaacttgga 180
gttcttgaag gagatcggtt tgggctcttc caacattggc tcttacatta atggccagt 240
gaaagccact ggttcttctg tcacttctg 269

<210> 18156
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700959016H1

<400> 18156

tattcaacga gaacgatgca gttagtacta ggaaagctcc atatgaggat tcttctggca 60
tattttggga taatgacagt ttatcagctt tattggcatt ggaattaaaa gctgatcttc 120
ttattttggt gagtgatgta gagggctctc atagtggccc tccaagtgat ccacgttcaa 180
aacttattca tacatacatt aagtccaagc atcaaagtga aattactttt ggagacaagt 240
ctagagtggg aagaggtgga atgactg 267

<210> 18157
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700959017H1

<400> 18157

ctttaaacag cttgaagctt ctaattgatt attgcttcta ctaatttttt ttttagcaat 60
gtgtagtggt ttatgaagtc tctttcagtt atcgatatag attcataggt ccatgcagga 120
ctaagtgaag aagagaagat aagtatctgt agtacactga accacgagaa gctgtcagct 180
gaacttttga ggcattcttac tcgaagcttg gtgtttcctt cagacgcaaa accaagagct 240
tatgttacta gacaaagccg aatg 264

<210> 18158
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700959019H1

<400> 18158

cagctcttcc agttgatgag ttgattgaga aggctgatgg atttgcagga gtatttcctg 60
aacacaaata tgaaattgtt aagaggctgc aagagaggaa gcatatatgt ggaatgacgg 120
gagatgggtgt aaacgatgcc cctgcattaa agaaagcaga tattggaatt gctgttgccg 180
atgctacaga tgctgctaga agcgcttctg atattgtcct cactgaacct ggtctgagtg 240
tcattattag tgcagtgtc 260

<210> 18159

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700959020H1

<400> 18159

tccagatctg gcagactagt atccgatcct ctgtcctctc gaagctttca tcgttcaaca 60
tattctcacc atctcagtca tcggcctgct atcttgtttt aggtctaccg tcctgtgaaa 120
atgttccaaa ggaagctctg gcatgtcaag attcctgtat acgaacaatc ttcaacgaaa 180
cttgatttcg tctgggtggca atgaatcgta ttatgggtat tttaacagga gatcatacac 240
ttcactttat atggg 255

<210> 18160

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700959022H1

<400> 18160

ctcaatcaat cagttttaga tacttgatac agcgctccgc atcttcagca gattccattg 60
taacaaaagc aaaaccacga gaaatctgct gaagatgcgg agcgctgtat caagtatctc 120
aatcaatcag ttttagaggg tcgttacatc actgttgagc gggtcacgaag aaaacgtgca 180
agaactccaa cccaggggca ccatcttgga ctgaaaaaca caagggagta tggctatcgt 240
ggtgaccgag gtggtgac 258

<210> 18161

<211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959023H1

<400> 18161

ccatcttctt ctcttttcac gtcattatcc taaacttgca gattttcaca tcccaagcaa 60
 catgaagggg cggttcatgt ttctgtcggg gctcctttgt gccacctttc atgtctcctt 120
 ctccattact gacggcttag tagcaaacgg caacttcgag ctgggtccga agccctccgc 180
 cctgaaagga actgtgggtga ttggtggcag ccactcgatc ccagaatggg agatctctgg 240
 cttcgtggag tacataa 257

<210> 18162
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959024H1

<400> 18162

atgctttctc ggagaaagct tttttctttt ctttgttgac ttcacctagc aagcctcgaa 60
 tccaaatcct ttctactttc tgctcttacg ctatttcgtc tttctataga atacgaagag 120
 aggaccttct ttcgggctgt ctacgaaccc ttcttctcgt atgcaatttt ctattctttc 180
 ttttaaccaa aagagaaagg gaaaacactg gccaatcca cactttctga atgtgccatt 240
 tgaccgaatg tgaaagcgaa 260

<210> 18163
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959025H1

<400> 18163

aattaacttt ctctctctct ctctacaaaa cttagctctg tttttaatta ttccttgcatt 60
 tctcttgat taagatggaa gcaactacca tcaccaatgg gagccaaaac ggttcgtttt 120
 gcttgccaa ttactaaggg aagtagtgat ccgttaaact ggggagcggc ggcagaggcg 180

atgaagggga gccacctgga cgaggtgaag cgcatggtgg ccgagtaccg ca 232

<210> 18164
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700959026H1

<400> 18164

gtgagctcaa gagacaactt gaggatttta atgaatcttc ttagagagtc aagcaagagc 60
atacagattg aagcatttca tgttttcaag ctatttgctg ccaaccaaca taagccagct 120
gatatcgtca gtatatttgt tggaacaaca gtaagatgct gagactattg gaagacttca 180
aaattgataa agaggatgaa caatttgaag ccgacaaagc tcaagtgatg agggaaattg 240
aagctcttta aacaaggg 258

<210> 18165
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700959027H1

<400> 18165

gagttcttca aggatgcact gaataaagtt ctgccatata tggactacgt ttttggtaat 60
gagactgaag caagaacatt ttctaaagct caaggctggg agactgataa tgttgaggaa 120
atagctttga agatttctca gttgccaaag gcatcggaac cacataaaag gattacggtt 180
atcacccaag gtgcagatcc tgtttgcgtt gccgaggatg gaaaagtga aatttacc 240
gtgataccgt tacctaaaga ga 262

<210> 18166
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700959028H1

<400> 18166

cttcctcttc ccctctcatt gctcctctga ttcattcacc cagttttttt tttctgtcct 60

ctttacctct cagaggagcc tctgagtctg ctcaggtggt ccttgtgaag agatcctttt 120
 gtttttgagg tgtgaaggga aagataaaaa aaaaagatga atcagtggtg ttatctgcag 180
 aagaatgctt taacaatctg tgaggagatg aggatggaat cagtggtgtg ccctaaacca 240
 cgaagattgg gcctgttg 258

<210> 18167
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700959030H1
 <400> 18167

tcaaattggt ctcttgtctt cctcctcctc tctacactac tccacatata gnccagcctc 60
 tcaagcccaa gcccaagccc aagcccaagc ccgttcataa aatcctcctg cagcagcacc 120
 cagtaccag ccctctgcgt ctcctccctc tccgctctac cctccagcat ccaacaggac 180
 cctcaccaac tgggtcagac agcaactctc ctctcctga accgcaccca agccacaaaa 240
 accttcgtgg ctaactgcaa caaattca 268

<210> 18168
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700958994H1
 <400> 18168

aagcattgca ttctgctatt caattccact acgtacacaa aacaaaaact caaagacaac 60
 aatggcacca acagccaaga ctctgactca nctggcccag gagaaaacc tagaatcgag 120
 cttcgttcgg gacgaggagg agcgtcccaa ggttgccctac aacgaattca gcgacgagat 180
 cccagtgatt tctcttgccg gaatcgacga ggtggatgga cgcagaagag agatttgtga 240
 gaa 243

<210> 18169
 <211> 243
 <212> DNA

<213> Glycine max

<223> Clone ID: 700958942H1

<400> 18169

cccatctcca ccacccccag tctacaagta caagtctcca ccacccccag tttacaagta 60
 caaatctcct cctccaccct ataagtatcc atctcctcca ccaccaccat acaagtaccc 120
 atcaccacca cccccagttt acaaatacaa gtctcctcct cctcctgttc attcaccacc 180
 tccccagtt tacatctatg catccccctc tcctccatat cactactagg ttatttctga 240
 aga 243

<210> 18170

<211> 100

<212> DNA

<213> Glycine max

<223> Clone ID: 700958944H1

<400> 18170

gcttcagggg tgtagatctt ctctgtttt tggagacttg agtgtttgag ctagtagttg 60
 aagttgtaca attatttggt gtctatattt ttctattaat 100

<210> 18171

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700958947H1

<400> 18171

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 atgtccaaat caattgacca actagcatcg gatttgaaac ccggatcaga gacccccctg 180
 tccttaacat ggtttgga aa gtgtttcggc ctcttgccct tcatacaaa ggcttttgga 240
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<210> 18172

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700958949H1

<400> 18172

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tggagtggcc taagaaagat aagcgccgct tcttgcattg tgtgtatcgt gttgggtgatc 180
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<210> 18173

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700958951H1

<400> 18173

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tttgggaattg tgccactaaa attctattca attcatctat ggctgcctct tcttatgcta 180
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<210> 18174

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700958952H1

<400> 18174

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ttgcaattct cttcatcacc ttcttcttct tcgcagatct tgtccgcgaa ggtccaccct 120
ctggatcatct tcaacatctg cgattgctat gttcgacgcc ctgaccaagc cgaccgcgtc 180
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<210> 18175

<211> 234
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 <223> Clone ID: 700958953H1

 <400> 18175

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 caagacagtg gttcctgcac ctgctccacc agtgaaggca ccaactcctg cctctccagt 180
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 <213> Glycine max

 <223> Clone ID: 700958954H1

 <400> 18176

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggggggggc cccgcacaag 180
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<210> 18177
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958957H1

 <400> 18177

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 acggtgtctt attgatcatt gaaaatcccg tcacgggtaa tggagatata tttaattgtg 180
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<210> 18178

<211> 240
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 <223> Clone ID: 700958958H1

 <400> 18178

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 cagaggctga ccctttgaag cgggtacctt ttgaaaaacc tcagtttagt ctcagccaga 180
 ttaagaaggc cattccacct cactgtttcc agcgctctgt tctccgctca ttctcctatg 240

<210> 18179
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958963H1

 <400> 18179

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 tggtgcccgt actccggagg tgaaatgctc aagttggagg cttgctgtgg aagcacacaa 180
 catctttggc tttgagacca ttcctgaaga gtgcgttgaa gcaacaaagg aatacatcca 240
 tggcg 245

<210> 18180
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958964H1

 <400> 18180

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 gttataattg gtcagtcttc ccatggcgta tcccttctca gatttcaagt actcagatgg 180
 cctcactgta gtgggtatct ccttctgcac agctattgtc tgtgaggcta tctcatgggt 240

tcttatct

248

<210> 18181
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700958966H1

<400> 18181

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attccggcat tgtgggatcc tcgaggaggg cgtggccggt tgtttcggct aggacttcgc 180
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<210> 18182
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<212> DNA
<213> Glycine max

<223> Clone ID: 700958967H1

<400> 18182

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ttggttacat gctttgtggc agccatggga ggcttactct tcggttatga tcttgaata 180
a 181

<210> 18183
<211> 100
<212> DNA
<213> Glycine max

<223> Clone ID: 700958969H1

<400> 18183

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ccacacaaca taagaaacaa aaagccaagc cttcctccct 100

<210> 18184

<211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958970H1

<400> 18184

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 cttaacagca tgcaaagcca gtgggagaga cttaggcaac gggtatctct tataggaatt 180
 gtattgcctt cagatcttac tgctgagggg gggcagctga gttctgatcc tatgga 236

<210> 18185
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 <212> DNA
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<223> Clone ID: 700958972H1

<400> 18185

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 gttccaggca ttaaagatga tagtaaaggg gatgaagaag aggatgctat tgcaagtgga 180
 aagttggcag atatcatcaa ggaatcaatg aggggtgttct ggaatttgt tcgagcaga 239

<210> 18186
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 <213> Glycine max

<223> Clone ID: 700958974H1

<400> 18186

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 gaaggagcaa taggtctagg tcaaggtgat ggcgtagcta aggacagcac tgagactgaa 180
 ctcacaaaaa tccgtctcct cagggaatt gttgaaaccc gtgatccctc ttccaagga 239

<210> 18187

<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700958975H1

<400> 18187

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tgctgatcca aaggaggcac gagctggtat caggaggtc cactttcttc cattcattcc 180
tgtggagaag aggactgctc taacttacat tgattctgat ggaaattggc atcgatct 238

<210> 18188
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700958978H1

<400> 18188

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aatgatttgg gtaaccacaga caagagcaat gatctagctc gtctgttctt tggagggcca 180
agtgctaate catatcctcg cagggaaga actggtagaa aaccaccacc aaaagactct 240
a 241

<210> 18189
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700958979H1

<400> 18189

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gcatcctcag ggtgaaggat atggctcctgt tagcgaagtc tacgtgcctt cgagcgaggg 180
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ccatc

245

<210> 18190
<211> 240
<212> DNA
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<223> Clone ID: 700958981H1

<400> 18190

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ctcaactctt cgatttgggg cttaaacct ctccgattca gattcggatt tagggcttcc 180
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<210> 18191
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700958984H1

<400> 18191

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cctacgacac atcctccact tcccactaca tcccaccct ctccaccacc ctcccttcca 180
ttactttcca caccctcccc accttcgacc cccocacaaa cccttctctc ttcctca 237

<210> 18192
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700958987H1

<400> 18192

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accaaataaa aaatattggg ttgttttttc ttgtggtggt ggctactttt gtggtggcag 180

ctcacaccag ggggtgttggc agaagaggca gctaagattg cttccaccta cagtgat 237

<210> 18196
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700958939H1

<400> 18196

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tggatcattt ggagttgcat gggtttgtga ttattatgtt tcagacaaaa agctatttgg 180
aggttctacc cctggaacta ttacaaacaa tgagtgggca gaagagactg ac 232

<210> 18197
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700958895H1

<400> 18197

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agcacctccg cgctttccaa ggtgtggaga cgggtgaaggc ggagagcgac gccgggaagg 180
tgaccgtgac cgggaaagtg gacccacga aagtgaggga caacctggcg gagaagataa 240
gg 242

<210> 18198
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700958896H1

<400> 18198

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cacaaattag tactctcgtt aattatcttg ctaattgcta attgggcaca atggaaaagc 60
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<210> 18202
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958904H1

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 tt 242

<210> 18203
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 <212> DNA
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<223> Clone ID: 700958905H1

<400> 18203

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 ggcagaaact acgttccac ttgggctttt gatcacatca aatacttcaa tggaggttct 180
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<210> 18204
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 <213> Glycine max

<223> Clone ID: 700958907H1

<400> 18204

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<210> 18205

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<212> DNA

<213> Glycine max

<223> Clone ID: 700958909H1

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 ccgccgcaac ttctgaaata cccgaccggt atccaatcgg gtccggagcc ccggaactcg 180
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<210> 18206

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700958911H1

<400> 18206

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 gcctattcca aagccagttc cagtgtacaa gcctatacca aagccagttc cagttccagt 180
 gtctaagcct attccaaagc cagtgtacaa gcctattccg aagccagtgt ataagcctat 240
 tccaa 245

<210> 18207
 <211> 243
 <212> DNA
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<223> Clone ID: 700958912H1

<400> 18207

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 acg 243

<210> 18208
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958913H1

<400> 18208

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 gatga 245

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 <212> DNA
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<223> Clone ID: 700958917H1

<400> 18209

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gaaactgttg caaatgtggt tccaccaaag gagactccaa atagtgtttc cttttctcat 180
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 gctgcacacc catggcatga 260

<210> 18210
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 <212> DNA
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<223> Clone ID: 700958918H1

<400> 18210

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 gga 243

<210> 18211
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<223> Clone ID: 700958919H1

<400> 18211

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<223> Clone ID: 700958921H1

<400> 18212

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 aaaactagaa atcaaatttg tggttgtagt cactgcattg cag 103

<210> 18213
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 <212> DNA
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<223> Clone ID: 700958924H1

<400> 18213

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 taaccgtcac tcctgaggag cggcaggcaa ttgaacgtct tgaagcaatg ggttttgatc 180
 gtgcaatcgt attggaggtg tacttcgctt gtaacaaaaa tgaggaattg gctgccaact 240
 a 241

<210> 18214
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958925H1

<400> 18214

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 ttt 243

<210> 18215
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 <212> DNA
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<223> Clone ID: 700958927H1

<400> 18215

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 caagatccag gacaaggaag gaatcccccc ggaccagcaa cgtctcattt tcgccggaaa 180
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 cctcg 245

<210> 18216
 <211> 246
 <212> DNA
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<223> Clone ID: 700958928H1

<400> 18216

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 gatctgggac aacttcaaga cgttctgtga agagtcagaa gaaaaatgaa gattctaccg 180
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 aaaacg 246

<210> 18217
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 <212> DNA
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<223> Clone ID: 700958930H1

<400> 18217

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 tgaaaggcca taccaagaag cgagcacggt gttcattaga acatcttgca gctccacgac 180
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<210> 18218
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<213> Glycine max

<223> Clone ID: 700958932H1

<400> 18218

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agccacaaaa acaagttctg gatctttgtt ctactggaga agctcgcgtt cttgagctcc  180
agaatatcgt agaagaacgt gatatggcat gccaatctga gcttgagtct gccataaagc  240
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<210> 18219

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700958933H1

<400> 18219

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gtaaaccctt gtcggattcg ccgcttctc ttgtttacgc tgggaacgcg agtaactctt  180
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ttatatg                                     247

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<210> 18220

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<212> DNA

<213> Glycine max

<223> Clone ID: 700958934H1

<400> 18220

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agtggtggtg gtcaaagttc cttgggttat ctttttggca gtggagaggc ccctgccgca  180
aaaccggcaa caaacaatgc cccagcccaa cctgaagtgc aggctgtaaa taatgcgcct  240

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002220"CTTTE560

ccttc

245

<210> 18221
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700958935H1

<400> 18221

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taaacacccg tcagaaagcc aagagcaaga agaagggtc gaagaaagag ggtggttctt 180
cttcatcttt ggcgccagaa attccagcga aggtgtggca accgggcgtg gataagttag 240
agg 243

<210> 18222
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700958936H1

<400> 18222

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accacagttt gcatcttcac tttctgcaat tgctagttca tctagtagca tgcttggtga 120
gagtggatg cgatttatgc acatagttga agagatattg gaacagctaa cgccaacggt 180
tagtttgcac ttccggaggaa atgtactgaa cagaatctta caactatttg ataaatacat 240

<210> 18223
<211> 118
<212> DNA
<213> Glycine max

<223> Clone ID: 700958894H1

<400> 18223

ctcacgaaaa agagaagaaa aaccagaaac cctttcccg tgaaaacatc agcctcaaac 60
cctcttcac accctcaaac cataccacc taaacaaac cctagttcct ttcacttt 118

<210> 18224
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958855H1

<400> 18224

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 taacgtttta aggtggttgt gttatcggtc acatggagaa aatatacagt ggggggttctt 120
 ccatcagaag gcgttcattg agcatatcaa gtcacataag ccatcataca gacaatgatg 180
 atgatgctga atgtgagagt gtttcagagg ctggagacat tggagatcgt gttactattc 240
 gaa 243

<210> 18225
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958856H1

<400> 18225

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 aggaaatgag aatcaaaaacc gagatttcag catgtttaat ggcatttcca attcatcggc 120
 agctactgat tcttttcatg tagagaagaa caagaaagac attatgactg atgactcttt 180
 catgattcaa gctcgatcat cagaagatcc attcaattct cagtcagcag ctgatctaag 240
 tttgg 245

<210> 18226
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958857H1

<400> 18226

gacaaggagc caaaactcgc aggattcggc ctagcatcac agggaccgca atttaattcg 60
 aagaagccga aacaaattaa tgcagatcat attatggata ctcttggtta catgcctttg 120

002220" E T T E S E O

gagtatgtca tgaatgggtc tgtcactgat aaatgggatg ttttctcatt tggtttggtt 180
 ctgctacgag ttgtgtgtgg aatggattat ttcataatgg cagcagagag gaaacgtatg 240
 g 241

<210> 18227
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958858H1

<400> 18227

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 tcttgaagaa gcatggagat aaaggggtgt gagaggggtcc tcaccactca cactcctcca 120
 cttaaaacag tttgttttgg cttagctttg gcttctctaa tcatcaaggg atgtgttcta 180
 acattctctc ttgagtggca gaagcagata tgcattctcc aaaggaggag aggctttggc 240
 t 241

<210> 18228
 <211> 107
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958859H1

<400> 18228

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 ctccaagttc aatgggagat gaagactgta ctttctctcc actggat 107

<210> 18229
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958860H1

<400> 18229

gacagttgca gaaagcattt gtaacagggg tccccaagtt gaatcgggga gcgctggaaa 60
 cagcctgtga agatttcagc aatattatta atagtcttga tgaatgcacc gtatacaaag 120

002260"ETFE560

gaacactatc cagtggagtc gagattgctg tcgattcaac tattggtgct tctgccaatg 180
attggtcaaa gaacatggag acagcctatc gcagaaagat tgctgcattg tcccgtgtta 240

<210> 18230
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700958863H1

<400> 18230

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aatccccacc ccccatctct ttgttgccag ttcaggaaaa caaataaagt tctcctttga 120
aacttctctg ggctatgtta ttttgaaaga agttacttcg catcaataat gggttcaggt 180
gattggttta agacaataat tagcttaaga aaatcaaaag aaggcagatc aaagaaagca 240
aaggg 245

<210> 18231
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700958864H1

<400> 18231

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aattggtcta cctaaagatc aaagccctcc accttacaag aaaccacatg acctaaagaa 120
ggcatggaag gttggtgttc tcaactgcggc catcaagcat atgtcccctg atattgccaa 180
aattcgcaag cttgtgaggg agtctaagtg tcttcaagac aaaatgactg caaaggaaag 240
tg 242

<210> 18232
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700958870H1

<400> 18232

002220.F.F.550

agaaaacata ataatggggtt cacaaaattg tatggatagg aagcactatg ttctgggtgca 60
 tggggcatgc catggagctt ggtggttgga taagctcaag ccacgcttgg aatctgcagg 120
 ccataaggtc acagtacttg accttgcagc ttctggaacc aacatgaaga aaattgatga 180
 tgttgatact ttctcagagt attctgcgcc tttgttgcag ctaatggcca caattccctc 240
 aaatg 245

<210> 18233
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958871H1

<400> 18233

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 ccattgtcgg attcatggat agagctgcca ttactattgc actacaacaa cttaacgctt 120
 ttcttggcat aaaaacattc accaagaaca ctgatattgt ttctgtcatg cactcgggtt 180
 tcaatgcagc acatcatggg tagaattgca agacaatagt cattgcagta gcattcttgg 240

<210> 18234
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958872H1

<400> 18234

tcggccacaa ctgaaatttc agggaaatgaa gtgaacacag atgggaaggt gataaatgaa 60
 gagttagcaa aaccaagtct aaaaggacat gatgaagaag caaagttcaa aggatttttt 120
 ccaaaaccaa ttcctatagt taaaccaatt ccaaagccaa ttcctattat taaacctatt 180
 ccaattccag tttataagcc tattccaaaa ccaattccta ttgttaagcc tattccaaag 240
 tca 243

<210> 18235
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958877H1

<400> 18238

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tggcggacat cacgaacacg aggaagtga ggtgagtc ttgttgaga agatttctgg 120
gaagatccac gaccacgatt cgtcatcttc gtcggattcc gacaacgaga aaaccagcgc 180
ttctgactcc ttgaagtcaa aggttttcag gcttttcggc agagaaaagc ccattcac 238

<210> 18239

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700958878H1

<400> 18239

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gcagtttggg ggtggcgggt atggagggtc agataatgtg gttactgatg gagtggagct 120
ccagctacac ccgagacttg agaaacttta tatatcgaca cgtgcgggga agcattatca 180
aagggatatt gttcgagggt tagaagggtta tattgttacc gggccaagc aagtggaaat 240
a 241

<210> 18240

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700958880H1

<400> 18240

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tccaccggcg aaacctgtaa ctgttggcga cgctcaacac tcgcactacg ccgatagtga 120
tggagagtgc ttttgcaagc gcctctgcga ttactgacca gaggcagaag atagagcagt 180
ataagcaa atcttgctgct gtcatttcat ctaatgacat tgttcaggct aggaaattca 240
t 241

<210> 18241

<211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958882H1

<400> 18241

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 tatctgatta taatatagac acaaatgaaa acatagaagg tctgccaatt aatgacggga 120
 acgttaaagc atctcttatt gataaaaaat tgagggtctcc aatgaatgcc aatcatgatg 180
 gaattccttc ttcactatca acattccatg aatcagccat gaaatctggt aatgcagatg 240
 acttga 246

<210> 18242
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958883H1

<400> 18242

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 atagaggaat cattagcagc agaaggggtgt gtggatttgg aacaaaatgg cgagagaagc 120
 attcatittc aaggaaagcg ccttgttatc tctcagagcg ttgaagagct tgttgatggt 180
 gatatttgcg gttgctatgc tgctgctgct gccattcaga gggcggagga ggggtgccacc 240
 ggcc 244

<210> 18243
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958884H1

<400> 18243

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 ctgtaggcat gttggtgcct ccatagcagt ggctttgttt ggaagcgttg tgacagtctt 120
 gctcatttgg ctttcagctt acagcattca tagccgagtc cccaagtaga tggaaggaac 180

atggatcatg cattctgcat atttgatcat acatcttcat ttattgttta taaagttagt 240

g 241

<210> 18244
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700958888H1

<400> 18244

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gagcatcttc ttccacggta ggccaaatct acgttttctg gcacgaaggg atgctgaagc 120

atgacacggg caatggcgtg ttgacacgg ggatggatcc aggcttctta gaggtgttgg 180

agaagcacc tgaaaactca gacagagtga aaacctagt gtctattctc aaaaggggt 239

<210> 18245
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700958889H1

<400> 18245

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gcagtttcaa agagaggatt tgggattggg aaggcgaggg attgcgctgc gtctcttctc 120

cttctcttct gattcatccc tcattcataa tcttccaatc caacaacctc agcctcacac 180

tcacacatac acacatctga acgcgtatcg tccctcccat ggcttcaaag cgcattcc 237

<210> 18246
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700958890H1

<400> 18246

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aaaattcaga ttcaaaggga tgacactaca ttgacgcat atgtggttgg aaaagaggat 120

0953143.032200

gctcctggaa ttgttgatg tccaggagtgg tgggggtgtgg attacgaaat taagaacct 180

gccgtgaaga tttctcagct tggtagtggg tttaaagctc ttattccaga ttatac 237

<210> 18247
<211> 236
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700958891H1

<400> 18247

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aaggaaaagg ttcacatcag tattgtggtc attggccatg tcgactctgg gaaatccact 120

accactgggc acctgattta caagcttgga ggcattgaca agcgtgttat tgagaggttt 180

gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt gctgga 236

<210> 18248
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700958892H1

<400> 18248

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gccaccagcc atgggtcgta tgcacagccg cggttaagggt atatcctctt ctgctttgcc 120

ctacaaaagg acacctccta gctgggtcaa gatctcttcg caagatgtcg aagaaaatat 180

ctgcaagttt gcgaagaaag gtttgacccc gtctcagatt ggtgtcattc tcagaga 237

<210> 18249
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700958893H1

<400> 18249

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ggctgtggcc gttcttgga gcagtgaggg tgctactgga actattcact tcgttcagga 120

0953113-032200

gggaagtggc ccaaccaccg taactggatc tcttgctggc ctttaagcctg gtctccatgg 180
tttccatgtc catgccttgg gggacactac caatgggtgc ctctcaactg gatc 234

<210> 18250
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700958854H1

<400> 18250

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tctcgatcac cttttcgatt caacctttct ctctctgcta atctcttctg tgcctctgca 120
catcaagggtg agggattgaa attgaatcct caagatgccg gctacagcag gaaggggttcg 180
catgcctgcg aacaataggg ttcacagcag tgcagcgctt caaacccatg gtatatggca 240
aagtg 245

<210> 18251
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700958811H1

<400> 18251

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aattttgttg tttggtgttt caattgttta gttttggatc ttgatatggt tggttacctt 120
gttgactggt aatgaacatt ttgaggggtga attaggcaat ttgcattgtc gatgtgttgt 180
tttgagttaa ggccttttgt gttacgcagg ttgctgagaa gacataaaaa atggtaaaga 240
tttgct 246

<210> 18252
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700958812H1

<400> 18252

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 tgctgctcca cctcgccatc gccgctcacg gcacgcggcat caactacggc acgctcggcg 120
 acaaccttcc accgcccgcg gcgtgtccga acttcctgaa gacgaagacg accatcgacc 180
 gcgtgaagat ctacgacgtg aacccggaca tcctgcgggc cttcgccggc agcggcatct 240
 ccgtgacgg 249

<210> 18253
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958813H1

<400> 18253

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 ggacatgaag aagtaagaaa gggcagcggg tggttggtggc tcatataaaa cggccaacaa 120
 caatgcgtaa tttcttttct gctcttcaga gtcggcttca ttttgtggtt gctccctcct 180
 tttctcttcg cttggcaagt aaatgatgaa tgagcgagcg catagtgcag tgaatttaag 240
 agggaaa 246

<210> 18254
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958816H1

<400> 18254

ggactgaatg atgtgagaca gtttcaattt tctggagtag aagatcatga agagtatggg 60
 ggaattgact cattttactc aaattttggg ttcttcccag atgatccatc agaagaaggg 120
 taccttctat ccactaatca ccaaagat caccaaatat ttgatgatta tggactattg 180
 gatgataacc ttcagtttga catggtatct ccaccactcc aatttgatga acaatataga 240
 accatggttc ca 252

<210> 18255
 <211> 256

<212> DNA
 <213> Glycine max

<223> Clone ID: 700958817H1

<400> 18255

attcattcta gttctggatt ccgactagcc gcgttgactc ggttccgttt ttcattctcg 60
 cggatctaataaaggaat agcttaaggg cacattacaa tgaaggcatt gattctggtt 120
 gggggatttg gaacaaggct gaggccactg acactcagtt tccctaagcc tcttggtgat 180
 tttgctaaca agcctatgat tttgcatcag atagaagccc ttaaggccat tggagtgact 240
 gaggtagtgc tagcca 256

<210> 18256
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958818H1

<400> 18256

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 cttgtctgag atcctgtttt ccatctggta aaaagaaaaa gaacagcgga tcagcttata 120
 agtctagtgc gaatctggct catgcaatca cagattctgt catgcattta tttcatgtgt 180
 tagaggttgt tttgaaatgg ataactgaat ggaacaaaag acctgaagat gagcatctgg 240
 agaacattct tttgct 256

<210> 18257
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958819H1

<400> 18257

cagaaagcta aaacagaaga agcaaagatg atattgcagt tcttcgtgct ttcacagaga 60
 ggcgataaca tcgtctaccg cgactatcgt ggtgaagctc aaaaaggaag cgctgagaca 120
 tttttccgaa aagtaaagtt ctggaaagaa gatgctgagg gagatgctcc acctgttttt 180
 aatatagacg gtgtgaacta cttccacgta aaggttgctg gattgctatt tggtgctact 240

actagagtca atgtc

255

<210> 18258
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958820H1

<400> 18258

aaccaagctt ctctgttaaa aaaaaattag gcgtctaaag ggccaaagct tagaaagttg 60
 aagctttttt tgttgaggtg aaagtgaat ggttggaag gataatctga gggctgagga 120
 cttgaacttg tgctttaaga agcttatgat ggtggccggg agtggaaca gtgagaaagg 180
 ggtgaacttg aaggttgggg tgatcaccga gtggaaggat attcctgtgg agcttctgat 240
 gcaaattctg tc 252

<210> 18259
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958822H1

<400> 18259

attaattaag cactctaaaa catatcttta tttccttgtc tacatatctt gaaaaactca 60
 atcatggcta gtgtttcttc ggttttagct ccatttagaa ggcttgatgg gaaggtggcg 120
 attatcactg gtggtgagag tggcttaggt gcagccactg caagactctt ctctaagcat 180
 ggagcatatg tagtcatagc tgatattcaa gacgacttgg gtctctctgt tgccaaagag 240
 ttagaatctg 250

<210> 18260
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958823H1

<400> 18260

ttccaatgga aaagtgagaa gtgaagagaa tgcgggttgt ttgttgctcc aattcaggcg 60

tgagtgccac tcttccatct ttcccttgtc ccagattccc tccactcatt gcaatttctt 120
 cgatccgctt tctaaattcc acacccctcc gttccctgtc ttcgccgcga caagttacaa 180
 gaatggcttc gaagaatgct caacaagaca cgcgcttagc cagaatcgcc tctgcatcc 240
 gagtcacccc cg 252

<210> 18261
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958824H1

<400> 18261

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 caccatcgac aacgtcaagg ccaagatcca ggacaaggaa ggaatccccc cggaccagca 120
 acgtctcatt ttcgccggaa agcaacttga ggacggcgt acccttgctg actacaacat 180
 tcagaaggag agtactcttc acctcgctct ccgtctccgt ggtggcatgc agatcttcgt 240
 taagacactc 250

<210> 18262
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958825H1

<400> 18262

cttgatgtg gctgcagata tccaaagctt aaattcggtc ctggaatctt tctgatcatt 60
 ggttggtttt tattctttca aatacattcc aaaatctctt ggaaattgag agattcactg 120
 cttatcctag cagcagattt tgggttctga cccaattatt ctttttcccc aactgggtct 180
 tgtggatttt tctgttgggg ttttaaattt cgtgttgctg ggtttgaaag ttatttcctt 240
 tcttcccc 248

<210> 18263
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958829H1

<400> 18263

gcgaaacaat ggcgacgggt gagctctggt ggatgacgtg ctttctctaa caactgctct 60
tagaaaagag agagagaatg gcggtggagt acacatgctg ctcaacggcg ttcttcgttc 120
acatagtggg aatcgtgctg ctggtgctgt tcgcgggcct catgctgggc ctcaccttgg 180
gcctcatgtc gctcagcctc gttgatcttg aggttctcgc taagtccggc actcctcagg 240
atcg 244

<210> 18264

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700958831H1

<400> 18264

gagagaacaa agcacttagt gctattcgat aattacgaaa aaccaacagc gagtgttgtt 60
tttgcttggt ccaggctgga ccagggaatg aatagagatg agaggcttcc ggttgaagag 120
aactgagtta agcggcgaag ctaaacgcag aatcggcggc agaaattgcc accggaagca 180
cgtcgaagac ggggtgaacca aacacaaaat tccatccacc acttctcttt tcaatcccca 240
actcaaactc 250

<210> 18265

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700958832H1

<400> 18265

gaaaattgtt gcctatgaag ctgtgcaccc tattagcaac cttctagatc ttaagagaag 60
actgggaatt ggccgtcgtt gttttggata ttacatcca gctattcctg gtgaaccctt 120
aattttcatt gaagttgcac tactgaagga tggtgctcag actatacagg aagttttgtg 180
ggatagtcc cctatacctg aaggtgaggg aacatgtgcc ttgttctact ccatatcatc 240
aactcag 247

<210> 18266
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958833H1

<400> 18266

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 cgaggaaatgg gtcgtggggg cagtgcctgt ggtggacaga gttccttgga ttatctcttt 120
 ggcagtgggg tacctgccag cagtgcaa at ggtgctcgca ctcaaatgc aagtgtcct 180
 tcaccaccgg ttgataagca aagtccagca ccagcaccag caccagcacc tgcacctgca 240
 gcagcagcag cacca 255

<210> 18267
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958835H1

<400> 18267

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 aacattccta attgctggac ctgcaattgc attttgtgta aagatatatc ttaaaatcaa 120
 gaagaccgat ggtcttattc atgattactg gtttctgta ttgattgtgg gttcaattct 180
 cactgttttg gatttaatat tctctctttt gacttctggg agagatcctg gaattgtccc 240
 cagaaattca ag 252

<210> 18268
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958837H1

<400> 18268

ctggagagaa gatgttcttg tcctttcttg ttctgacaga ttccttcggc tatccttgca 60
 gcttccttct agatactcaa gttggctgtc ttctggactg actgctcgca aaaaccataa 120

cacaagcact agccctgggt gtgaatgggc cgtttcagct gtcatagatg actttatttt 180
 tgttattcat gatataagat atttggagga gcaggttcat ggtgattacc ttcaacatgt 240
 gcttca 246

<210> 18269
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958838H1

<400> 18269

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 cctggctcca ttatggtcac tgccaccaat ttctgccctc caaacaatgc cttaccaaac 120
 aatgcaggag gctgggtgcaa ccttcctatg caccattttg acctctctca gcctgtcttc 180
 cttcgcattg cacaatacag agcaggaatt gtgcctgtgt cctacagaag ggtaccctgc 240
 aggagaaggg 250

<210> 18270
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958839H1

<400> 18270

accagtgcct ggcgtcgcgg acacagaaca gagcttgcag aagcgatttc tcattttctca 60
 ttcttaacaa cacacttcaa caatggccaa aaccttcaaa tacatcatcc tcggaggagg 120
 agtttccgct ggttatgcgg cgagggagtt tgccaaacag ggcgttaagc caggggagtt 180
 ggctatcatt tccaaagaag cggtagcacc ttatgaacgt cctgctctga gcaaggctta 240
 cctttttcc 249

<210> 18271
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958841H1

<400> 18271

caaactcaca gatagattag cacttagcat ttactaagat aggataaagg aaggaacact 60
 ttcgttacat ttctccgccc attcctacct tgttcctcct tttctccttt tctttttcgt 120
 attcgggggtt gctgctttct ttcgactcta ttgtcttctt aataaatata gaaagaaaca 180
 aaaaagaaaa aagtttatag gtgcctagaa gaacagacaa tatagtgtgg agcaattacg 240
 ttatgat 246

<210> 18272

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700958842H1

<400> 18272

gttacatcga aggcacgga cgaggatggg gactttgccg agctaatagt gtttaaatgg 60
 acatcacttc tcacccctcc tacaacagtg cttattgtga atttggttgg gattgtggct 120
 ggtgtatcct atgccataaa cagtgggttac cagtcttggg gtccactatt tggcaagctg 180
 ttctttgcta tctgggtcat tgcccatcta taccattct tgaaggtct cttgggcagg 240
 ca 242

<210> 18273

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700958849H1

<400> 18273

ctcagaccgt ttgatgtatg ggtaggaaat gtgcgtggaa caggtggagc catgggcata 60
 tatctttatt agagaagaaa aagcaatttt gggattggag ttggcaggaa ttagccctgt 120
 atgatgttgc agaaatgatc aattacatta attcagtaac aaactcaaag atattttag 180
 ttgggcattc acaggggaca attatatctt ttgtgcctt cactcaaccg gagatagtag 240
 aaaaggttga gg 252

<210> 18274
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958850H1

<400> 18274

ctggaagctt gttgtgagta agggaaaggc ttcctgcact gaagaccaag ttgaaacctc 60
 ttgattcttt gcttagaatt ccacagaata tggagaagag tcttttcaat gactccccac 120
 ctttggagtt ctaggggatg agcaaggagg aggaagactc attgctaggg caagttgaaa 180
 tatggaggta catgacatgc ttcacggact ccgtggcctt gaaatccgtc atagagctgc 240
 gcatagccg 249

<210> 18275
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958852H1

<400> 18275

cggagctgtg tctggggaaa tttgcgttgt ttttcgcggt acagctcaca cactactgaac 60
 ggtaagtatg gcggacaagg ctgttacaat ccgaaccga aagttcatga ccaacaggct 120
 tctttccagg aagcagtttg tcgttgatgt tcttcatcca gggagggcaa atgtttccaa 180
 ggctgaactt aaggagaagc tagctaggat gtatgatgtg aaagacccta atactgtatt 240
 tgtcttc 247

<210> 18276
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958810H1

<400> 18276

ggaagactct gttagagaat gatcagttgt gtatagagca gaggcaaggt cgagtctttg 60
 aaggatggaa tgaagggaaa atatattttc ctccgactta taagtattca gacaattcag 120
 acagctatgc aggtgatgac agacgctcaa aacaaaagtg aagaactcca gcatggtgtg 180

atcgtatctt gtggtatgga aggggccttc accaattatc atatgttcgt ggggagtcaa 240
 gggttttct 248

<210> 18277
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958770H1

<400> 18277

gcgcagagct ttgctggcat acccaccgtg acgaaattaa cctctctacg taacagcaca 60
 cagcgatttc cccaaatcat cgaaactcca actcgcgatt cccaatcgaa accctaactc 120
 gggatggcga tttgctgggc gaaattcttc aatcgctgga gctgtggctg aagctgatca 180
 agaacccgca gccgcagccc tacgtaaacc ctaatctgga ccccgttttg ctggtgcccc 240
 g 241

<210> 18278
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958772H1

<400> 18278

tgaaacttga gagagtgtcg ttgattccaa ttacgacgg aggagtgcg aatcacaatc 60
 tccaccggcg aaacctgtaa ctgttggcga cgctcaacac tcgcactacg ccgatagtga 120
 tggagagtgc tttgcaagcg cctctgcgat tacttaccag aggcagaaga tagagcagta 180
 taagcaaata cttgctgctg tcatttcacg taatgacatt gttcaggcta ggaaattcat 240
 aga 243

<210> 18279
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958773H1

<400> 18279

gttacctttg tttatccaga gaccgtgaag cttattctat ctaaaggaaa ccctcatttt 60
 gtgtgtgatg cacgagtgct tggttaagcct tacaaggaga agggcaaagt ccagacaag 120
 atgctgcagc agagcaggta gatagaggag atttttcacc atgtggtact cctactggat 180
 tagatgccag agaccaccaa tttgatcttc aacttggagg cagaatgttc tacaatactc 240
 aaga 244

<210> 18280
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958774H1

<400> 18280

gaggcacaag ccaagcctcc cacagcgaag gggctatcat ataacttcta cgacaaaagc 60
 tgtcctaagc ttaaattctat cgtagatca gagctcaaaa aggtcttcaa caaggacatt 120
 gctcaagctg ctgcttgctt cgccttcaact tccatgactg ctttgttcag ggttgtgatg 180
 ggtcagtgtt attggatgga tcagcaagtg ggccgggtga gaaagaagca ccaccaaact 240
 tg 242

<210> 18281
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958778H1

<400> 18281

atgcctccta agaacatgga ggcctgtttt tccttgtggg ggcattatta aacggcttcg 60
 ccgtcaacat tgaaatgatc atcatttgga agcccatgtt aagtgcaaat cttatcaact 120
 atggaacttc caactagaaa acggatggag aatttctttg ggtgtcggag ctgttcctgc 180
 cgtcttgta tgttttggag ctcttttctt aggagacaca cctaattccc tgattgaaag 240
 a 241

<210> 18282
 <211> 177

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700958779H1
 <400> 18282

cacaaaatga acagacttgt cttgcaaaaa cccattaatt aaaagcccta aaaagttagg 60
 ttcttatagg atttgaactt catttttagag gttcaaattt aatctttttt ttttttggtt 120
 caactcacia tatatgcaac ctacattgga gtcaaaaaaa aaaaaaaaaa aaaataa 177

<210> 18283
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958781H1
 <400> 18283

ggaaaattaa tctccctttc attttctctg catctgtact ctccaaatg ccgtccttag 60
 aggaggagct cttcccttca accccaggca cgttcaagat cgagcgggcc caccacatga 120
 accgccgctc taccgctgct tcgcctccac cagcaccatg ttctgtggg ccctactttt 180
 taatgcctt caccgcttca tatctcagct tccaaggctt cgttgattcc ggcagccg 238

<210> 18284
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958785H1
 <400> 18284

cagactagag agagtaagag taagagaaga gatggaaaga gtagcatcag tatctcggcc 60
 actgaaaata tacttgctcc cattcttctc accggggcac ctaatccctc tgggccagct 120
 ggctcgcttg tggcggcacg agggcagcac gtgaccatca tcaccacccc cgccaacgct 180
 caactcttcg accagaacat cgacatggac accgcctccg gccaccacat ccgcgtccac 240

<210> 18285
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958787H1

<400> 18285

aacaaaaaca acaaccaagg tgggtggtgct ggtgctggtg ctggcggggtt ctttggccct 60
 ggaggaggggt tcagcatacc cggttttggga aacggggttg gaaatggcat cataggagga 120
 ggatacggat cgggtatgga ggtccgaatg gaggtcctc taaagtggt atcattagac 180
 caaccgttgt gtgcaaagac aaaggccctt gtttccaaaa gaaggttact tgtccagcca 240
 a 241

<210> 18286

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700958788H1

<400> 18286

gtgaaagaga atccgaggcg aagagaagag aaaaattaag atggagggga aggagcagga 60
 tgtgtcgctg ggagcgaaca agttcccgga gagacagccg attgggacgg cggcgagag 120
 ccaagacgac gcaaggacta ccaggagccg gcgccggcgc cactggttga cccgacggag 180
 ttacgtcat ggtcctttta cagagcaggg atagcagagt ttgtggccac ttttctgttt 240
 cta 243

<210> 18287

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700958789H1

<400> 18287

gaaaaagcta gatgggagat attatcaggt gagattgatt atttgtaatg ttgtaacaag 60
 agtttatgca ttataggttt tttatatgct gttttataat gcctgatttg agcctagaag 120
 tcacttcaag atgcaaccga tccttcattg acttctactt tcagattaat gaattcattt 180
 gccaatagta tagttatfff tttcttgtaa gattaattct gacctgttat ttatttattt 240
 a 241

<210> 18288
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958790H1

<400> 18288

atTTTgtggg gttgcagaga tgattggacc tgttgacttc aataaggaca tggacttttg 60
 gcagcaagat aaatggagtg ggagcttccc tgtaaagtgg cacatcataa aagatgtgcc 120
 aaatgcaaat ttaggcacat tatactagag aacaatgaga acaaacctgt cactaatagc 180
 agagacacac aagagataat gtatagtaaa ggTTtggaat tgctgaaaat attcaaaaac 240
 c 241

<210> 18289
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958791H1

<400> 18289

gtttcctcgg aaaataacaa cagtgaccta atgcaagcac agtctgagcc atctctccca 60
 gtgaaggaat cttccaagag tcaagcaaaa agggaaatgg taaaaataa gagtcttctt 120
 gattcaagca cagaaaggaa actgaaagta aaatcaattc aagcaaacag aaaaagacat 180
 ctttactgg aggcaaggaa aaaccaactc caccaagtct tcccttggtcc ccaaacaca 240
 at 242

<210> 18290
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958793H1

<400> 18290

aacaaaacag agcaaagaga gagtgtgtga aaagtgaac aaaggacaga acaacaatgg 60
 cgacacttaa ggttctcag cctcttcccc ccgttgacaga tgattgtgag cagctccgaa 120

aagccttctc agttggggaa ctaacgagga gctgattgta tcgatcttgg ctcataggaa 180
 tgctgctcag aggaagctta tcagagaaac ttatgccag acctatggag aagatctc 238

<210> 18291
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958795H1

<400> 18291

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 tctgtgtttg ctggtgttgg agaacgaacc cgagagggtg atgacttgta cagagaaatg 120
 attgagagtg tgtcattaag cttgatgata agcagagtga aagcaagtgt gctacttggtg 180
 tatgggtcaaa tgaatgagcc ccctgggtgcc cgtgcccgtg ttggtcttac tgggcttact 240
 g 241

<210> 18292
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958796H1

<400> 18292

tgacattctt cgaacaagaa caatgagggt cgatgctcta tcaacaatga gtagccttaa 60
 gcttctctac cttggatatt ggaacgttgg cttcgaaatc aatttttcag gaacacttgc 120
 taagctttcc atgaattagg atatcttagt tgggaaaagt atccttttga gtgtttgcc 180
 ccaagttttg aaccggacaa acttgttgag ttgagactac cttacagcaa catcaaacia 240
 ctt 243

<210> 18293
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958801H1

<400> 18293

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 tttggaccag gtcctggata tgcgagacat catatggatg gtatagctcc aagaagtcct 120
 gttagtgaat atgctgagat gtcctcccg agattggggc tgcactctgg cagtcttgtt 180
 ggtaagtcag gtatagatga ttttgatgac agagttgcac gtcgttttgg tgaattccgt 240
 gatagtcggt ttcctcattt g 261

<210> 18294
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958802H1

<400> 18294

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 aaaggcatgg acatgctgat tttcaactcg tggcattggt ggaccacac tggaaaatct 120
 caggggtggg attatattag agatggaccc aatcttgtga agaacatgga ccgtttggag 180
 gcctacaata aaggattaac cacttgggct aattgggttg atcagaatgt tgatccctcc 240
 aaaactaaag tcttcttt 258

<210> 18295
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958803H1

<400> 18295

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 agggaaatat tgttgtatgt atgtatgatg acattgcttt caatgaagag aaccacggc 180
 ctggagtcat tattaacagt ccacacggaa atgatgttta caaggaggt cctaaggatt 240
 acgttggtga agatgtt 257

<210> 18296
 <211> 254

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700958804H1
 <400> 18296
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 gattcagctg agagtgggtg ggctctgcaa aaattagctg catgagctgg ttgggaaac 120
 tccgtttatt ctccaatttc aatccctttc acttcattac ttctttgtta atttttacc 180
 tccatttttc accccaatcg cgcttttccc tccaaccct gttattgatc cagcgtaaaa 240
 ccaatctcaa tcgt 254

<210> 18297
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958805H1
 <400> 18297
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 aataaaaaat aaagagatcc ggtgtagaaa ttcggtttct cagtcattct aatctcaatg 120
 gaatctattg gtaaagaaga aaaaattgct tgtgtgatcg gtgaccgatc aactagtgat 180
 gttgttgta ggctacgcac acaggaaggt cgagatgatt ggctgtactg ccattcagag 240
 attcttgtga ag 252

<210> 18298
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958806H1
 <400> 18298
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 gcaccacaa agagtgtctc ccatattacc atctttccta ccaaattgaa agccccgcgc 120
 tcctcacctc gttactctcc gattaggggt gcaaccgtgg agcccgacac ttcaactgtc 180
 gactacaact ctgcgttctc agtggttctc gcagaagcat gcgaaactgt aggaggggaa 240

gcctgcatgg cggag

255

<210> 18299
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700958807H1

<400> 18299

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tcactgtgag tagatgctac taacacatct ttaaggagca tcattcatca ttgttttttt 120
tttccttttg tgttcaatgt ggaaaagtgc tttaactaaa cagctgtgaa ggcttgtcac 180
tgaaataaag cactgcatta aggccaagcc accactctcc tcttttccat tgggtgatct 240
ttttttct 248

<210> 18300
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700958808H1

<400> 18300

gggttcttct tcccctccgg acactagcaa gagcataaag ctagagcgat acaacagcta 60
catccggaga ctcaacagca ccaagctcct caacgcctcc tccaaactcc tcttccgcgc 120
cactctcttg gtcgactca tctcgtctt cctcttcacc ttcaactacc cteccctctc 180
cgccaccgac tccacccacc gccacctcca cgccactcc cactacttcc tctcctctc 240
ctccttcggc gcct 254

<210> 18301
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700958809H1

<400> 18301

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ttaattatga tgcacctgga atggagccat ctggcattga ggatttagag cattttctat 120
 ctaactcttc catccatgat actagcttat taaatggaga taataatata atggtagatg 180
 cagaccacct tgattctcac tcagagatta acagatgggtt ggtttgagga agatgttaat 240
 gcatattgc 249

<210> 18302
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958768H1

<400> 18302

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 attatacgcc aatctaaatg agaaggagcc tcagccaatt atgcatgagc ccagaagaag 120
 gaagatgagt caaaccacaa acttgtgttt gactatgtca atgctgcact attggaactt 180
 gttgggttatg ggtcagaaaa gtgcttaaag agaagtaaga gccactacag ggtccaagtc 240

<210> 18303
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958721H1

<400> 18303

caagccccac tcaaccacca cactactctc tctgttcttc ttctaccttt caagttttta 60
 aagtattcag atggcagaga cattcctatt tacctcagag tcagtgaacg agggacaccc 120
 tgacaagctc tgcgacaaat ctccgatgct gtcctcgacg cttgccttga acaggaccca 180
 gacagcaagg ttgcctgcga aacatgcacc aagaccaact tggatcatggt cttcggagag 240
 atcacc 246

<210> 18304
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958723H1

<210> 18307
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958726H1

<400> 18307

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 ttatggcctt tgcctcgctg aaattggtga gatgatgact agggagttcc gcagggtgag 120
 gaggagccca gtgacttgaa gttgtttggt tggaggcaag gaagatagtg gcggagaggg 180
 acagggagga actgtctccc ggggctgaga tgagagatga tgagtttctg tttgatatag 240
 attat 245

<210> 18308
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958730H1

<400> 18308

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 gatcaagaaa acataaatat cgtgctggaa atggaatggg ccatggaagt acaccatcaa 120
 ctcatgctgc cgaagcacga agccaccccc tggaccaaga atgccagatg gaacacgtgg 180
 cttcgcaata ggacgaggtc ggtttcctgt ccctgcttcg aattagcaaa gattggacgc 240
 cacaaatg 248

<210> 18309
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958733H1

<400> 18309

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 gcctttcgcc acttcgaacc ggtttccaaa tgcagcaccg aaaaccggtt taaccaaacc 120
 gtggcctcgg cttggacggc accctcctgg tgtcccctag cgcctttcct tactacatgc 180

tcgtcgccat cgaagccggc agcttcctcc gtggccttgt cctccttgga tccgtccctt 240

t 241

<210> 18310

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700958734H1

<400> 18310

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atattatttc tctgttttcg aaagggttca acaaaacaga gacatgtctc tgttttctgcc 180

cttctcttc ggcttctctg acgccacccc aggacgaaat agcgacgacc cagatcacga 240

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<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700958735H1

<400> 18311

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tatttcttgc cttctgatca caacctttgt ggttgcagcc tctgctggta acttcaacca 180

agactttgag ataacatggg gtgatggctg tgccaaaatc ctcaatagtg gggaactt 238

<210> 18312

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700958739H1

<400> 18312

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tctcaaattg caaggacatg ggtttcaacc ttcaaccata tgggattcaa tccatgctca 120
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<210> 18313
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 <212> DNA
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<223> Clone ID: 700958740H1

<400> 18313

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 agtcctccga caccacgata acgtgaaagc taagattcaa gacaaggaag ggatcccacc 180
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 ctacaa 246

<210> 18314
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958743H1

<400> 18314

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 gcgcaaccgt gcttcttggc cgccagagtg ggggtgttgt ccgtggccgg cacctccttc 180
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 gaaact 246

<210> 18315
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 <212> DNA
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<223> Clone ID: 700958744H1

<400> 18315

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cctaacgggtg cttacaacta ttaacagcgg aagaagtga gggcccagac ggccaccgtc 120
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<210> 18316

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700958745H1

<400> 18316

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caagaaaggt gactttcttt gagggtcacc aactgggggtg cttcaatttt gtccctgggtg 180
attcctgata agaatggaaa gttgggtgat gttgttcttg gatatgattc tgtaaggat 240
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<210> 18317

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700958748H1

<400> 18317

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ttggagtact ctgcgcactc gcccacaaacc ttggcttctc tccctcgctc acgtccacgc 180
ttccctgctc cgcctacctc attccctctc atcaccttca gcctcgccgc cgccccgtcg 240
ccgccat 247

<210> 18318

<211> 238

<212> DNA
 <213> Glycine max

<223> Clone ID: 700958749H1

<400> 18318

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 tgggtcgtga tggagatcac gtgtcaagcc caatgttgtg gttgccaggg atggcactgg 180
 tcagttcaaa accgttgccg atgctattgc ttccaaacca aaggataaca aaggtaga 238

<210> 18319
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958750H1

<400> 18319

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 cgacaactca agggcaccog gtgggcccgc ctctcgccg gttccaatgg ttactggaat 180
 tacagacatc aggctgatgt tattcacgcc tatcaaatat tgaggaaagg tgggtctg 237

<210> 18320
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 <212> DNA
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<223> Clone ID: 700958754H1

<400> 18320

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 tgcttgatag gaactgcatt tgcattggctg catttctagc cattcaggca tcggtattaa 180
 aaaaatatcc tgcaaaccta tctgtcacag cgtgttcata cttctttgga gcttgactg 239

<210> 18321
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<212> DNA
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<223> Clone ID: 700958755H1

<400> 18321

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 tcttcgggca aggtccgggtg atgatcgctc cctcgagagg ttgttgaggt tatcgttggt 180
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<210> 18322
 <211> 243
 <212> DNA
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<223> Clone ID: 700958756H1

<400> 18322

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 ccatacaagc gatcggttgg tctgtgtcca ggctattctc aatatcaaga tccagaagcc 180
 gttcaaggag tttatcaaga gatgcagaaa atccaggaaa caatttgat ggtgacagga 240
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<210> 18323
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 <212> DNA
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<223> Clone ID: 700958759H1

<400> 18323

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 cctttgcgaa tgaaaccggc cccggtggcc actacattcc ggaggtatcg tgcaaaagtt 180
 ggaggcttgg tgtggaagca cacaacgtca ttgactggag aaccattcct caagattgag 240
 aggg 244

<210> 18324
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958761H1

<400> 18324

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 agtaaagtat caacaaacca acaatccaac accatgaaac tctctgtttt ccaccatcag 180
 caccatccta tgatttctca ttgccccctt accttgacaa gaacacacaa gagacttaac 240
 aaca 244

<210> 18325
 <211> 244
 <212> DNA
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<223> Clone ID: 700958763H1

<400> 18325

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 gggctccgat ccagaccacac gtggctctcg catgctgcaa caaggctaac tccgaactct 180
 catcgcacca gaagaagatc ttcaaggctg acaaccacat cggcgtcgcc atcgccggcc 240
 tcac 244

<210> 18326
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958764H1

<400> 18326

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gggtttgtag tctatccaca tatctttacc aatgccagtg caaggaattc actgccagtg 180
 tcaagcatag gactcaacct tgtaaatacc aacttagatt actaattgat ttgttgtagt 240
 tgatg 245

<210> 18327
 <211> 239
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 <213> Glycine max
 <223> Clone ID: 700958767H1
 <400> 18327

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 tcaactatat tatggcaagc cttctcatga ttccttgcca gcatctattg ctaaagaagt 120
 tgcaaaggat tgtcatagaa aggcagcatc aaactccatt aggagtgaga aaacttcctc 180
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<210> 18328
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958720H1
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 ggacactatt ccttgatccc ttccaggatt tgagtcacaa gtcattcttg tctttacttc 180
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 tgaa 244

<210> 18329
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958675H1
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 gccggagtag gtgtttgtcg gtggccggca cctccttctg gcgctcctct tcgtcaccga 180
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 ttcaaactg 249

<210> 18330
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 <213> Glycine max

<223> Clone ID: 700958677H1

<400> 18330

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 agtgaacgag gggaccctga caagctctgt gaccagatct ccgatgctgt gctcgatgca 180
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 gtgatggttt 250

<210> 18331
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958678H1

<400> 18331

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 atcattgact tgaaggcttt aagaatactg ctggaattga gcctgaagat gttgcaaagc 180
 gcctcatgga ctacggtttt catgcaccaa caatgtcatg gcctgtgcct ggcacactca 240
 tgattgagcc tac 253

<210> 18332
 <211> 255

<212> DNA
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 <223> Clone ID: 700958679H1

 <400> 18332

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 agtgcagcct tcttcccatc gccacttctg gatatccagc aaacgtattg tgacccccaca 180
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 acatgctatt caggg 255

<210> 18333
 <211> 249
 <212> DNA
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 <223> Clone ID: 700958684H1

 <400> 18333

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 tactgttata gtattggtag tagcgttagc gtgatcagat cagaattgtg atcgtggatc 180
 gaagcaatgt tcaaattctt gaaagaggtg gtgagtggat ctggcacggg cctcaaagat 240
 ctcccacac 249

<210> 18334
 <211> 252
 <212> DNA
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 <223> Clone ID: 700958685H1

 <400> 18334

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 gaagatgaag ttaggtaatg tttttcatgc ctcaaagtag taggtggttt ttcatagttt 120
 gcagtttatt gtattcataa aatggttatt gactgttcat agtttgcggt ttgttggtat 180
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aaaacaccct at

252

<210> 18335
<211> 254
<212> DNA
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<223> Clone ID: 700958687H1

<400> 18335

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acatctcttg ctgtccctcg ccgccacagc ggcagccaac tgctgcgcct ccaagatctg 180
ctgctgctgc tgctgaggcg ccggctgtgc gtcgcgaatc accaactgcc cgccgtgaac 240
agcggccgctc gcag 254

<210> 18336
<211> 252
<212> DNA
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<223> Clone ID: 700958688H1

<400> 18336

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gcaagcttag cgatgtgccg agaaccaagc aaggcttcag agaaatctca tgtacttagc 180
tgcaatagct gattctcaac cccaaccacc caccatgcct ggtcagtacc ctccgagtgg 240
gatgatgcag ca 252

<210> 18337
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<212> DNA
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<223> Clone ID: 700958690H1

<400> 18337

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 cacgcagggt ggggctacag aaaaatccga tcagaatcca aatgctggta aatttcctcc 180
 attaaggaga agaaaacatc tgtttgtcat tgctgtggat tgtgatacca cttcaagcct 240
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<210> 18338
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<223> Clone ID: 700958691H1

<400> 18338

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 caccgtgttc tcccctgacg gccatctctt ccaggctcag tacgccctcg aagccgtccg 180
 caagggcaac gccgccgtcg gcgtccgcgg caccgacaat gttgtcctcg gcgtcgagaa 240
 gaaatccacc g 251

<210> 18339
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<223> Clone ID: 700958692H1

<400> 18339

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 ctctccttcc tcattcttgt tcattcttct ctttcttatt gtcaatttca cttcctaate 180
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<210> 18340
 <211> 251
 <212> DNA
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<223> Clone ID: 700958693H1

<400> 18340

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<210> 18341

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700958694H1

<400> 18341

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ctaagtgaag aaggaagata agtatctgta gtacactgaa ccacgagaag ctgtcagctg 180
aacttttgag gcattcttact cgaagcttgg tgtttccttc agacgcaaaa ccaagagctt 240
atgttactag aca 253

<210> 18342

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700958695H1

<400> 18342

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taatgcaatg actcgatggg gagaaagaag tcagaactag ttgtgggtcac aaataatgac 180
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aagcttgtgg tgcttt 256

<210> 18343
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958696H1

<400> 18343

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 cgttgttttt ttctccgacg acattccttc ttctcaatcc cattctacac cgacaacaac 180
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 aaaggaggag aaaagtga 258

<210> 18344
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958702H1

<400> 18344

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 agaccggtgg cgcggcaaag gtcgcactaa catgcgccgc accgtcaaga ctgctcctca 180
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 atca 244

<210> 18345
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 <212> DNA
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<223> Clone ID: 700958703H1

<400> 18345

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caattgcgtc ttcctgccac tacttctaca aaacaacaaa aacaatcttt gttttgtttc 180

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aa 242

<210> 18346

<211> 206

<212> DNA

<213> Glycine max

<223> Clone ID: 700958705H1

<400> 18346

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tctggcaaca agaaaacgaa tcataagcac cagccacctc atcctttttt taacaaatgg 180

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<210> 18347

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700958708H1

<400> 18347

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ggacgtcggc actgggacgg ccaagctgcc aaatcttttag ctgcaatata caagaatgtg 180

atagccacag atgctagtga caaacaactt gaatttgcag ccaagctccc aaatgtgaga 240

taccaacac 249

<210> 18348

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700958709H1

<400> 18348

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 gacggacaat gaagctcctg tgcgttactt gattgttatt ttgaccttca tctgcacctt 180
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 cggagtga 249

<210> 18349
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958711H1

<400> 18349

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 tgggcagtat gtttgatatg agaaatccta ttgtattgga aaaagttata gcagaacttg 180
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 ttcaagctg 249

<210> 18350
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 <212> DNA
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<223> Clone ID: 700958713H1

<400> 18350

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 gaggaggtag cccccagaaa gacgacggac ccatccctgt cgttttacaaa ctcgacttgc 180
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 ccgttaa 247

<210> 18351
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<212> DNA
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 <223> Clone ID: 700958714H1
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 ttattattga ttcttcgcac agttttgcta ttgcaagact gatcttgctg ccgcatcatc 180
 aagtattcca ctgccaaata tgagtttttc ttgtagattt tcaccaagtg tagcagcaga 240
 aaca 244

<210> 18352
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958716H1
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 ttcttcgacc agctgactcg actagattcg agttaccctg gcggtctgga agcatacatc 120
 acaaatgcta aacggctctt ggctgattct aaggctggca gaaacccttt cgatggcttc 180
 acaccttcg ttccaacggg tgagactttg gcgtttggtg atgagaacta catcaaattt 240
 gaggaagca 249

<210> 18353
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958717H1
 <400> 18353
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 gagaggaaga gagacaaatg ggtttgggaa tgagaagaga gtagaaacaa ccgagagaaa 120
 cacatagaaa aggaggcata gccaacctat tcaaaccatg atgcaaggct gtgaggttga 180
 tgccattggc ataaactaca cgatccacac acacaaatcg acgtacctt ttaaaatctt 240

cag

243

<210> 18354
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700958671H1

<400> 18354

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aagttgcatg tcccatttgc actgtccatc tgcaggttca ggtgcctagc tcgggttcag 120
agacaattga gtgtgagttt gccagcacc ctttcttgat agcgctcatt gagttcagat 180
aaacatgaat acggaagcgg tgtctacgtg tttcataagt ttaaaatgca tttgttctac 240
tgatctatct cttgc 255

<210> 18355
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700958616H1

<400> 18355

tcgattccaa aagctgcttc ctctcataaa ttctctttca acgcataatc attccattta 60
gttatcatct gtgacaccat cacactgcga tcatcatcct cattcctact ttgcacaccc 120
ttatgacaat gatgatgtca tgacttagat tcattgggtca cagtcacaga ctctgaagaa 180
gaaaaacaac agctttgaat tgattacaat acaaccttaa acgatgtcgt tgaaccgtgg 240
tggaggagga gaagaagatg aac 263

<210> 18356
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700958620H1

<400> 18356

gatcgttgga ctgacgggtg gaatagcgtc tggaaagagc accgtttcca atctgttcaa 60

gtcccatgat gtgcccattg tagatgctga cgttgtcgct cgcgaggtgt taatgaaagg 120
 gagtgggtggg tggaagaaat cgttgcagct tttgtggacg aaattcttct tgaaaatgga 180
 gaagtcaata gaccaggtt tggccaaatt gtcttctccg atccggataa gcgtcaattt 240
 ctcaaccgat tgctagct 258

<210> 18357
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958624H1

<400> 18357
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 gcttcagctg agagtgggtg ggctctgcaa aaattagctg catgagctgg tttgggaaac 120
 tccgtttatt ctccaattta atccctttca cttcattact tctttgttaa tttttaccct 180
 ccatttttca cccaatcgc gcttctcct ccaaccctg ttattgatcc acgctaaaac 240
 caatctcaat cgtaattt 258

<210> 18358
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958626H1

<400> 18358
 gcacccatgt gatgacagaa gacagtttca aggtagcagg gaaaggggat ggttttctgg 60
 cagccgagac ttgaataggt caacgtcaag agagagatgg tgaacagcag ttttgtgtgg 120
 attaagagtt atcttaactt ttgatgacca gaacctata ctactatttt attacttgct 180
 ttttctaata gttttgttca ttttactcca ggcaattgga gcaacaatca ttgagtactg 240
 gcactaaaac tttt 254

<210> 18359
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958627H1

<400> 18359

ggcaaacaga aacacccttt ctagcattgc gatttgatct ctccaccttg gtgaaagcct 60
 tgtgaaacat aaggctttta cagaagggtgg aattttgact agaagggatg tttggctgtt 120
 gagtttatgg agggtcagct ctttgttgaa tagtgtttgt gttgccttta tctgcaactt 180
 ttaattgaac caatcctacc ctttttatga acatatgaaa agatcgggtt tttgtgggtc 240
 ctccactcat tggt 254

<210> 18360

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700958628H1

<400> 18360

actgatgcta atccagttaa gaagtctatt gttagtcttg gaaagtctcc ttcatacaag 60
 gaagtggcct tagtcctcc agggacaatc tctaagtttc aggtctaaca tctctaaagt 120
 ctgatttctg ttagcatgag catgatgggtg gaaaacatga agaggaagat attgaagctg 180
 atagaaatgt taatgttgat ccaaccccca cagaggtaaa tgatatgggtt aaagagaaga 240
 atgatgattc tttta 254

<210> 18361

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700958630H1

<400> 18361

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 tgtgagattc cttcacttgt tttctctatt ccattggagt gtacagattc ctagctaaaa 120
 caccagatg tcaatctcgt aattctattt gatttgtggg tgtttctgtg aaaaaaagaa 180
 ttttttttaa ggactgtcaa acccaaaact ttttttttgg gtcttttggg ttctgcttct 240
 ttcatTTTTG caaactgg 258

<210> 18362
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958631H1

<400> 18362

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 ctcgttgatg ttcacccttg ctttaaggag gagtttttcg cttacgacat gacaatctcc 120
 tacgccggcc acaacacccc ctcgccgccg tccaggtgac ggaactcgcc gacggcgtct 180
 tcgtcggtcg caccgtcaac cactccgtca ccgacggcac ctcgttctgg cactttctca 240
 acacgttcgc cgccgtcac 259

<210> 18363
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958633H1

<400> 18363

gtgacacaga aattaagcta gagcttcata gttttctctt cttttctcac cttccttctc 60
 tcccttcaga caaagggaca aaaaatcagt gtgtgagaga gagagagaga aattccaaaa 120
 ccatgtccca cagtcaccta agttcgcctt tgggattcta ggtaacattg cctccttcgt 180
 gtgctttctg gcaccactac caacatttta tagagtttgt aagaagaaat caaccgaagg 240
 gttccaatca attccatattg tggctgca 268

<210> 18364
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958634H1

<400> 18364

cataaatacc gcggacacac attggatagg gggcagagct tgaattgaat catctcccac 60
 acccatcatc cattggcatc tccgatgaga tgttccttta ttaggcctat cgtgggcttt 120

tatttggttg gctctaagac ttacctacgt gggcttttgt tataggccca cagaagccgg 180
 cccatggtgt aaggtgaaag ccgtaattca actttctcag ggggtgggtgg atgggtgttt 240
 gtttcaattc gattgcttct ct 262

<210> 18365
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958639H1
 <400> 18365

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 tctctctcct ttccaaatgg ccagcgttga ggttgacat caaacaccaa caacagttcc 120
 agaaaatgaa acaaccgagt aatcaagacc caggaaacaa ccccggaacc agtaccagcc 180
 actgaggctc ctgcaacaga acaagcagca gctgaggttc ctgctcaaga agaacaacaa 240
 gcaactgagg ttctgtccc 259

<210> 18366
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958640H1
 <400> 18366

gagaccaagt aaggtatacc atttgagaat ggcttcttgt gtagcatcca tgtcttctac 60
 catcctcatc ctaattgcc a tctgcacact gtcttcaatt ctgtcagctg catctgcagc 120
 aacagaggag ggacgaacaa gcccttcaaa agggctctatg cctttggaga ctctttcaca 180
 gacactggca acaccaaaaa tgccgaaggc ccaagtggct ttggatcatgt ttcaaactct 240
 ccctacggca ccactttctt c 261

<210> 18367
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958641H1

09531113-032200

<400> 18367

ctcgagccgt tatgatcgat gtttatgtgt gcatgtatgt tcattttctt tcgagggata 60
 tgatgtatta tgcgtctctt atgctgagtt acttgctgct gtagggagat ctgagtgagt 120
 gacctttcac catgagatga aaccatcgac gtgggacctg tcaagaaaat caaatctcga 180
 gagatacagg tgttgccagc ggaaatagat ctggaagtat cagaggtgat gaagttttgt 240
 tccgagatgg ca 252

<210> 18368

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700958642H1

<400> 18368

aaaaaacaca gttcagcccc tagggttcag ttgggggtta gggttctctc atcacatcgg 60
 tgttatcact gtcacggcgt gagcgcatct catcgttgag tataataatg gattcggaca 120
 ctgaagaaac aaaaccaagc atcccaagaa ggagaagaaa aagaagaaca agaagaaaga 180
 ggttgaggtt gtccaacctc aatctgaaca gattgaggtt gaggtcgagg ttgtccgtga 240
 gcacccaat aaa 253

<210> 18369

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700958643H1

<400> 18369

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 ttggacttgt gctctttag tttgatacta ttcagttttg gtttcactat gtaattggta 120
 aaaccattca tttgtttgtt ttattagctt gttgtttcaa cattatttct tgttcctttc 180
 aaatattggc aattaacata ttaggttttc agggatatgt agagcccatc ttatggcaga 240
 ctttctgcta a 251

<210> 18370
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700958644H1

<400> 18370

gtctggtgca taaacctcaa caacacactc ttcaattttc tagggtttga gttttgctcc 60
ctttttcttc gccttctcca atggccgctt cctcgctcct gagatccgcg cttctcgctc 120
cttctcctg cgatgccccca aggtatatac caatgcctca agttctaatt taaaatccaa 180
gggattacat agcagcattt ttggtacttc aattcaatgt gactccttag tcttacaaaa 240
ttgcaatggg cgt 253

<210> 18371
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 700958649H1

<400> 18371

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tatccaattt ccttgattgg ggtttacata cgagcaatgc aggatgcact cactgctatt 120
aaaggaggcg ctgttcctcc tcgggaagca tgccatcttt tgaagacatc aaggacatcg 180
taggtttcaa ctc 193

<210> 18372
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700958656H1

<400> 18372

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tttcttggcc ttggatggta atgtgctccc agttgtgttt gagagagcat aataaatgtg 120
tatcttcaat taattgtgtt tgtgttgtgt gcttgaaatt tcttttctg taatgttggc 180
taataattgg agctaccgta tgcgatgta taagaccaag gaaagatata catgtctctt 240

ttttatttta tta

253

<210> 18373
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700958657H1

<400> 18373

gcaggtctgg aagggccaag gatcaagaaa gtggaaacat gccagagtg atggtttctt 60
tgttcaattt ggtcacctt ccctgcgaaa gttgtggttt ataccagtt cgaatgaaaa 120
gggacagacc tgggtgcaggt ttctctccca cttttactcg caacacttat ttactgaata 180
taagttttgt agtttatgga ggggtgatatt gcgaggattg attgttcttt tatcaaaatg 240
aaaaacaagg ag 252

<210> 18374
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700958658H1

<400> 18374

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gaaacagtga aaaacagcaa caacgaccac cctgtctttg ttttttgttt gttgagttga 120
aacttttagag aaatgaatag tgatatggag gcaaaggggtg tgcggttctt agcgtatcaa 180
tcaatatattt cgagcggttg atctggggac ttcgatgggg tgaagaaact ggtggaggaa 240
gtgaagaagg 250

<210> 18375
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700958661H1

<400> 18375

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ttctaaaccg gggaaccact accgtgccgc cgatgaagcc caaaaccatg tgggagaagg 120
 agctgttgaa gactcattga ttccatagca gagtcaaagt aagcaatcca ttcattcctg 180
 tgagtatttt gagaatatat atttattatc ctgtcattta cgctttcaga acaacaaa 238

<210> 18376
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958665H1

<400> 18376

caaagggatt tttagaagtt agtttttccc ttgctggaaa ttcttgttga gaaccccagc 60
 aaacagccaa cccaatatc ttctatttga cctttcctat tttcaagggtt tcacttgtgg 120
 ttcgagttca atttgaatt aattgataag tttctgttat ctgctattga ggatgactaa 180
 cggttttgta atacaggaag tttagacgtg gttcagcgaa cacattaaaa aaatcgtggt 240
 tttattttat atttatactg ta 262

<210> 18377
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958666H1

<400> 18377

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 attgctgatg tcttcaaaat tggtgtgtgt gaagcaataa gatcattgtg cctgcagtat 120
 cctttaaaat atcgatctcg atgaacttcc tgagtaatat tcttcgggaa gaatgggggt 180
 ttgattacca gaaggccatt gtagcttcaa ttgtgattct cattatagat atccctgatg 240
 cacaggtcat ggggt 255

<210> 18378
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958668H1

<400> 18378

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ctggtcagaa tggataccac caccgaactg agttgaacaa gaaggtttac aagcttggca 120
aagctggaga tgaactcact ctgctcttac tgagtttgat aggtaagtgt tttgttgatt 180
atgggtttgt gcaataaatt tagcaggaag tattgtgttt gtaagtcaaa ctaaccctc 240
tacttgtttt ctg 253

<210> 18379

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700958615H1

<400> 18379

ctcagacaca cacacacaac gcagtgagag agagtggagg tttctatttt aacgttttcg 60
ttgttattcc tttacagctc aacctgcatt tctctctcac aactcgcac ctcagatcga 120
aatcgaggtc actgagtgag agtggtttacg ttattctgcg ctgttgatgt tcatacaaac 180
tagatagcta catgggtggag agagacattt ttctcatatg acttctatta gctatattat 240
tattgagcgg tggtgctatg g 261

<210> 18380

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700958576H1

<400> 18380

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aaccaaattt tatctcttca caaaagataa aatttcctat gatgaattgt ctaattattg 120
gagctatact aatgaagaaa aaagaaacaa attgagcaat gaatttgtaa atagggcaaa 180
agtaatggat aaggaattaa tttctctgga tatattagaa aaccgaatt 229

<210> 18381

<211> 225

002220 ETTE60

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700958577H1
 <400> 18381

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 tgatcaacgc caaatgcgtc aacccaaagt tccccagtcc caccaagctc gcaccatcgt 120
 aaccctccct tcagatcaac cgtccaaagg gcctcatatc ctcacccgaa agcactaaac 180
 tttccccgcgac gacagctatc gcaggagcaa tattcacaac cctcg 225

<210> 18382
 <211> 75
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958578H1
 <400> 18382

actttttcct tattcaccaa aacggcgctg ttttgatttg gggggaaaca gcacaacacg 60
 tcgaactacc ctccg 75

<210> 18383
 <211> 129
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958579H1
 <400> 18383

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 aaaagataaa agagtttcat aataatcata agctgttaga gatgaagaat ggactcgaca 120
 ccacccatg 129

<210> 18384
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958580H1
 <400> 18384

atgctgctgt cagatctcca aacctgatg gcatcaaccc agattctatg cacgaatgtg 60
 agaattgaag gtggcgaggt agtttctggg gatgactgtg tggcgggttaa gagtggatgg 120
 gatgagtatg gcataaaatt tgggtggccc accaaacagc tagtgctaag aaggctaaca 180
 tgcattctac catacagtgc aaccattgcc ttgggaagtg agatgtcagg tggaatcc 238

<210> 18385
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958581H1

<400> 18385
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 tgtcccatgg aaggctccta gttttctctc tcttcattctc atagtttcac tctcactctt 120
 cttcttcttc ttcttcattc tttctgatct gtgctgtttt ttcagggtac aacaaaattt 180
 ggtgctttcg gttaaactgt gatgtctccg ccagtgtcga gcatagggga tgacgtctgt 240
 tatagcaatg tcacttcgtt agtgctctc 269

<210> 18386
 <211> 208
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958583H1

<400> 18386
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 caaagccaga aaacccaaac caccaccgag ttctgtttct cgtttcacca ccactttctc 120
 ctcgatggcg cgaaaactcc ttctgaagca aaccctagct acgcactttc tcttcttcgt 180
 gctttatgca atcttcaacg ctttcttc 208

<210> 18387
 <211> 230
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700958584H1

<400> 18387

cagtcccca aagcgaaagg cntcttccag tgaacaaccg ggccgttgtc gccgacaatg 60
 gcggccaagc caccctctcc gtctttctcg cttcattcaa acaaaccctc tcactctcac 120
 tctctgcttc gcctctcttc caacgaaaac agaacctttt tctctttcaa ttcgaatctg 180
 aggtgcgaga tcaaaggctt cgagagccac cgtggctgga ccatcgagcg 230

<210> 18388

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700958585H1

<400> 18388

tgatatcact caaaaaaac aaaaacagaa aaaaagatg gttcatcaga ggcaaaacaa 60
 catccatgtt cttgttcttc cataacctgc ccaaggccac atcaaccccc ttgccaatt 120
 cgcaaaaaga ttagcttcaa aggggtgtcaa agccacagtt gccaccacc actacactgc 180
 caactccatc aatgcaccca acatcacggt cgaagccatc tccgatgggt tc 232

<210> 18389

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700958587H1

<400> 18389

atztatatta gatgctgagt tgcttagccg gaatccatcg ccgttaatgt taacattttg 60
 caaatatgtc tctctctctt tggggctgct tgcatatatt taggaaggat aacagaagga 120
 tgtagatttt gtatcatagc tattttccca agtatattgc cagcaagctt tagaattaga 180
 agcttggagc atattttgat tgatttgctg cacaggtagc tgctgatc 228

<210> 18390

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700958588H1

<400> 18390

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cgccgtggag cctccgccgg agcaggccgt gccggtgccg gagccttctc tgcctccggt 120
ggacaatagt tctgtgggga ccaatgggtc tgctgttgcg gttgagagtg aggtgggttaa 180
ggttcaaagt agtttcgtgg atccgagggtg ggttgcagga acatgggatt t 231

<210> 18391

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700958589H1

<400> 18391

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ctccaagcct gccaagggag tcgagaaatc ctttctctc ctctctctcc ttcccaagggt 120
tcttgctgtc tacaaggaag ttattgctga ccttaaggca gctggtgctt catggattca 180
atttgatgag cctacccttg tcttggacct tgaatctcac aagtt 225

<210> 18392

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700958590H1

<400> 18392

aatccatcat ccaaaccttt ccgatccaat gacctctaaa ctaattgctt ccaatctccg 60
tcaccaaadc acaaaatcag ctcaaacct tcgccgccag cttctttcca cggcggcggc 120
ggcggccggt gcctgaacac gatgggaaca actccaactc gtcgggaatg acgatgaagg 180
gcgttcgaat ctccggaaga cccctttacc tggacgtgca ggcaacatc 229

<210> 18393

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700958591H1

<400> 18393

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 ggagtgattt ggatgaagat ttgatggcctt tacgtgtaga tgatggtagt gaaagtttga 120
 ctcaactcca acctctgaaa gcaccaaga aatcaaagag gcagggagag accatatgca 180
 aaggacacaa aaattatgag cttatgctta atttgcagct ggg 223

<210> 18394

<211> 70

<212> DNA

<213> Glycine max

<223> Clone ID: 700958593H1

<400> 18394

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 tctaaggccg 70

<210> 18395

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700958594H1

<400> 18395

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 ggtcacggca ttcgtattgg ttacatgctt tgtggcagcc atgggaggct tactcttcgg 120
 ttatgatctt ggaataaccg gaggagtgcac ttctatggaa ccatttctca tcaaattctt 180
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<210> 18396

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700958596H1

<400> 18396

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 ataccaatat atctctgatt tcttcattgc ccttgcttat ttctcaatcc ctttggagct 180
 tatctacttt gttaagaaat cagcagtatt tccatataga tgggtccttg ttcagt 236

<210> 18397
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958601H1

<400> 18397

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 atgtgagtgg cttgagaggg aaaaagcagt tgtagcaaat gggtgcaatt tgttcctggg 180
 aagttgggtg gttgacacgt cttatcctct ctatgactct tcaacatgcc ctttcattga 240
 tcccagagttt gattgccaaa agtatggaag ac 272

<210> 18398
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958603H1

<400> 18398

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 attattcaat attttgggtc gggtgaatcc cgggggttgaa gcgttgacaga catcacggct 120
 attctaagag tgtctcgctc cctattcatg tccgatctgt acgacggatg acgggtagtt 180
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 gtagcccttc agacttgctc ttcct 265

<210> 18399
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958604H1

<400> 18399

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tcaacgccaa atgcgtaaac ccaaagttcc ccaacccac caagctcgta ccatcaaac 120
cttcccttca ggtcaacctt ccaagggcct aatagcctca cccgaaaaca ccaaactttc 180
cactgcgaca gaatcgagc agcaatatc acaaccctcg gaacctgcga cgccgctttc 240
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<210> 18400

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700958605H1

<400> 18400

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acatattctg gacacatcca gacgccatta aacttctggg tgctttcaac actgtattgg 120
tcattgatag taacgataaa accactaggt atcagtagca ctacttgaga tcgttggagt 180
tacttcaacc gagttaacat tctctgctgc atttgctttt gtggagtctg agcgagctga 240
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<210> 18401

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700958608H1

<400> 18401

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gagaacaact acaacaacca caacctcatc gtccctaata ctcaagattc actgtggatg 120
atgaatttga ggactgggga acaatggatt ctggatctta tccggagcgt ccaggggagc 180
cggattgttc atattacatg agaacaggcc tttgtagatt tgggtgcaacg tgtcgattta 240
atcatcctcc taacaggaag 260

0953113-03200

<210> 18402
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700958609H1

<400> 18402

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ccaaagagaa gattggtgcg gaaggctgat acatccttta gagacaagag gactaattat 180
caagaaactc caagagagag tggaaactat gcattatcac atcattactc agttttgggt 240
ctcgacaggt actcacaga 259

<210> 18403
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700958574H1

<400> 18403

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ttttccatat catagcgtaa caaattaaga atatataaaa gaagatgagg tcttcaatca 120
tatttctttg cattctggtg tatctgaacg tgtagctgc ggaattgtca gcttacgacg 180
ttcttgagaa atacgatctc ccagttgggc ttcttccaaa aggtgccaca 230

<210> 18404
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700958610H1

<400> 18404

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gaaggcagaa acaggcaaag agctcataga aattctcgtc ctcttcctac ataagtcttc 120
tcttatcata aacgcgtgtg ctgggataag gttgtgctgc ggtgattcac tcgtactttg 180

cttaatatgg cggttgagaa gttgagcatt gcaaaagatg tgactgaatt aattggcaaa 240
 . actccattgg tatat 255

<210> 18405
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958612H1

<400> 18405

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 tggcgggtgaa gaacgttctg cggcggcggc ggaggaggag gaacagggtta acatgactct 180
 gatttccaat tccgacgtcg aaagccacgc cgacgtccaa atccccgaca ccgcgcacatca 240
 aattagcacc gattcat 257

<210> 18406
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958613H1

<400> 18406

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 tgggtactttt gctagagcgc tgttccaagt ggtgcatcca ctgggatttga tgaggccctt 180
 gaattgagag atggaggatc tgactacctt ggaaagggtg tatcaaaggc tgttgacaat 240
 gtgaacacca ttattgc 257

<210> 18407
 <211> 256
 <212> DNA
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<223> Clone ID: 700958614H1

<400> 18407

0953113-032200

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 tcataaaacc ttcagtgtac gaccaagata aatcttccac ggctgagctt gacaaagtcc 180
 atatctgaca tcaagtttagc aaaatacggg aagtggtttg atgattgcag tgatgatgtc 240
 agaatatgct gcacca 256

<210> 18408
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958522H1
 <400> 18408

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 aatatctgtt ttttccttct gttgttgctt ctgacacact ttcatttggg cataagccaa 120
 cttgagctga attactactc taaaagctgc caaaagctg aagagatcat caaggaacaa 180
 gtcacacaac agtataacca gcatggaac actgccgttt cgtgggtcag aaatctctt 239

<210> 18409
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958525H1
 <400> 18409

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 tcagcaaaga cggttccgcc ctccagctaa cgcattga cggccgtcgc gcctccgtta 180
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<210> 18410
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958526H1

0958522H1

<400> 18410

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ctgcagcaac atggatgggc ttgtgtatca tcactatgat ctgcaatgtc agtttagcag 180
atagaatttt gaaagaaaaa gaattaggaa atgatgttcc gaaagagaga caagga 236

<210> 18411

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700958527H1

<400> 18411

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acatggacag atgtgcaaga ctctttctat aatctattgc aaagtactgt ctgtatttcc 180
ttcttttagaa gctgctaggc ctaggagtaa atctgggtatt caggcattat gttcat 236

<210> 18412

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700958530H1

<400> 18412

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aattaaaaca catgaagcaa aaatcttaac tcaatacaac gcaacacatg catgtgagtt 180
tttgccaaca aacgtgatca ttgccgcaac aacgaagact caatattatc ataggcca 238

<210> 18413

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700958533H1

<400> 18413

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 ggggtcaaaat ataaagggga ctatggtggt tatgcagaag aatgtgttgg atatcaacag 120
 catcaccagt gttggaggga tcgttgacca aagcttaggc ttcataggca gtgcagtcga 180
 tgcacttact tttgcagcca ccaaaatctc catccagttg attagtgcta ccaaggctga 240
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<210> 18414

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700958534H1

<400> 18414

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 gcctcaaaaa gtcggaagat aaggtataat gttcacgaaa agatagtaaa ttttatggca 180
 ccactacctg ccaatattcc tcctatggct ccgaagtgtt ttgagaatct gtttggattg 240

<210> 18415

<211> 77

<212> DNA

<213> Glycine max

<223> Clone ID: 700958535H1

<400> 18415

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<210> 18416

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700958537H1

<400> 18416

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aggcctctgg ggagcacaag aacaaaagga agatcaaggt gacttttctca tcagggtcaag 180
agcagcagaa tgcacatca caggcagtta ggaaatgctt gcactgtgag ataacca 237

<210> 18417
<211> 237
<212> DNA
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<223> Clone ID: 700958538H1

<400> 18417

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aaactatgtg aagacttggg ttaatcaacc agcccgaag accagaagac ggttggtctg 180
gcagaatcag gctgtcaaga ttttccccag gcctactgct ggatctctca ggcttat 237

<210> 18418
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700958539H1

<400> 18418

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gagttggaac ccggtacact tttctcattc gtgagccact ctgtgcacta acacgtgatg 120
cacgtgccgt cgactggggt acagtgtcgc ttgagttaca ccttgggggtt gagaaccttc 180
tggagcttcc tctgctgata ggagtagcca catctgctgg cccatttgct cttac 235

<210> 18419
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700958540H1

<400> 18419

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 ttggttccaa tgaacaatc ttcttctccg gggcacttgg ccttagcctt agacaatcca 180
 cgtagaacac ttcacgtgtc ttgtggctcc acatcaccac atgcttccca gagatcat 238

<210> 18420
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958541H1
 <400> 18420

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 ttggtgtagt gtttcttctc ttgtcttgg ggctggagtt ttccctggca aagttaaaag 180
 ctgtgggacc tggtgctgtt cttggagggc tacttcaaata tatcattttt atgtt 235

<210> 18421
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958546H1
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 cttgccttgt agcgctcca ctggtggcac tgtcataatc cggcggaag ttgccccctc 180
 aacgtgggag agtgctcgctg aagaagttgt ttcgggtacg gctaagagat ttctgg 236

<210> 18422
 <211> 182
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958547H1
 <400> 18422

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 atctccaccg tgatcttcgt gttcgccggt tcaggttccg gcacgccta catcgagctc 180
 ac 182

<210> 18423
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958548H1
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 cgggcatgtg tcgagaacgt gtgatggatc attgcaaagg tcgggcattt gcctcttgcg 180
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<210> 18424
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958549H1
 <400> 18424

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 tccgtggcac cagtagtaag tactctatgg ttcggggcctt tggcgggtct cttgatagag 180
 atcaatcggt tttttccaga tgcattgata ttcccttttt tttcattcta gttattga 238

<210> 18425
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 <213> Glycine max
 <223> Clone ID: 700958550H1
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 atctttgtac aaatttctga acagtttcta ggtatggaaa ctctttcata tgggtcagca 180
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<210> 18426
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 <213> Glycine max
 <223> Clone ID: 700958552H1
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 ctgcacctct tgatgcacaa actccttctt ctaaggcaca gctttgcaag gagttcaact 180
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<210> 18427
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 <223> Clone ID: 700958555H1
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 tgtcttcttc ttgatgtgga tgatattgat cgttacctac agttgaatca gccacaagat 180
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 <223> Clone ID: 700958557H1
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tacaacaact taaacgatgg caggaggaggc ttatgtagat tcgggaaatg caaagcaatt 180
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a 241

<210> 18432
<211> 233
<212> DNA
<213> Glycine max
<223> Clone ID: 700958562H1
<400> 18432

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aagagaaatc aggaacaact tctgcaagtc gccgaagatg aagtttcagc aggtggaaat 180
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<210> 18433
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<212> DNA
<213> Glycine max
<223> Clone ID: 700958571H1
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tgaggttgtt cttgagtcct gggtatccat atgaagaaat tttgaggacc tttcacaatc 120
agacaagcat aatcatgtgc tcctatctac cagttttcac aagctttaac agaaccaaag 180
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<210> 18434
<211> 82
<212> DNA
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<400> 18434

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tcggaatggc tgccataggt ca 82

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<212> DNA

<213> Glycine max

<223> Clone ID: 700958573H1

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aagagagttt cctcgaaggt gtgggtgttat tactgcgac gcgaattcga cgacgagaag 180

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<210> 18436

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<212> DNA

<213> Glycine max

<223> Clone ID: 700958479H1

<400> 18436

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ctatagatgt tatgcacgaa ggggtgcaga acctggtgat accaatacaa atccagtttg 180

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aagaggacgt g 251

<210> 18437

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 700958480H1

<400> 18437

002220 "E.T.F. 60

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caagtcttgc tttct 75

<210> 18438
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700958481H1

<400> 18438

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aacaagctct tttcatattc atggatcctc cggattctca gtcccaggaa caggaagcgc 180
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tctctctc 248

<210> 18439
<211> 249
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<223> Clone ID: 700958482H1

<400> 18439

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tgaacgaatg gctttcaaga ccactagaaa ccggagtcac tttcgggtag ttcgtgaggt 180
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tgatgcttt 249

<210> 18440
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<213> Glycine max

<223> Clone ID: 700958483H1

<400> 18440

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cagtgccta ttacgctta tacccttctg gttatgatag cttccattcg gcgtcagcag 180
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ctccaagcc 249

<210> 18441
<211> 161
<212> DNA
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<223> Clone ID: 700958484H1

<400> 18441

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aagatatatt aataacttgg tcaaaagcat ctgccattat a 161

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<223> Clone ID: 700958485H1

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aagagcaaag tgtgtgatgt ggttgacat tcagtcctaa tcacatggct tcttcttctc 120
cttctctcc atcttatctc acacaccttc ctctcatcc ctctcaccaa ggtgagagt 180
agaagcgcgt ggaggacgat gaatcgcgcg ttccgattca catcgtgacc gcggcgacgc 240
aacttcccg 249

<210> 18443
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700958486H1

<400> 18443

tgatgttcca tgatgagcag atagcatgat tgagatgata gtgttcctct tccttgtctt 60
gcttatatcc cttatcttga gcagcagttc caataatagc ctccagcttc cccaagccc 120
accaagcatt cctctgctag gtcacctcca ccacctcacc ccttccctat acaaatecct 180
ctacaccctc tcaccaagc acggtccct cctcctcctc cgctcggcc cctcccgcg 240
cctcctcctc ct 252

<210> 18444

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700958487H1

<400> 18444

gattagtcga aaatggaagc catttacaat acaaagtaca atttgattgg gtgcatcaag 60
aggatgacac agaggaaaca accatgtcta atgcctggta tgaagtattg tcagttttgc 120
acttgatggc aatgctatta ctgtcacagg ctaatttatt acttcttccc agaacatcca 180
ctgatagtca tcagccaaaa gtatcagaag ctagcagacg agcttctgtt gatattctct 240
taaaggcagc tgg 253

<210> 18445

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700958488H1

<400> 18445

ccatcatcat caactacctc aaaattctaa gcacaatttc tctgagttgt tttgtgagat 60
aatagcacat agcataacaa gggaaggagt attaacaacc gcaaactga agagaaaaag 120
agcagcagaa gaagaaacac caacgatggg tgtggattac tacaagatct tgcaggttga 180
taggagcgcc aaagacgatg acttgaagaa ggcttatagg aaacttgcta tgaaatggca 240
ccctgataag aacc 254

<210> 18446

<211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958489H1

 <400> 18446

 tgttgtgtta tgttcagttc gttgcatgca aaaacgatta tgaagacgcc aaaacgccac 60
 tcgccgccgc caaattcttc cctgcgagtg gagtctgatt ccggcgaaat cgtcacgagg 120
 ttcaagaacg gtcgccggag aagaattaaa atcaagcgaa tgaaatacac ttgccagacg 180
 aagatccgcg tcaggaatga cgccggcgcc ggcggcgtgt ctcaacttct ggcggtggat 240
 tctg 244

<210> 18447
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958490H1

 <400> 18447

 catctcactc ccacgagtga cgtaaactaa attggacttt tgcttttaga aattgtgaca 60
 gcccgccgct ctgttgagtt gaagaaaact gttgcagagc gggttacact cagatggggc 120
 ttcaggaagt ataatgaagg aagtgtggtg gaacttgtgg atcctttaat ggaagaagct 180
 gtaaacggag atgttctgat gaaaatgctt atcttggcgt ttcaatgtgc agccccatt 240
 cgaacag 247

<210> 18448
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958491H1

 <400> 18448

 ctttctctct ctctctctac aaaacttagc tctcttttta attatacctt gcattctctt 60
 gtattaagat ggaagcaact accatcacca atgggagcca aaacggttcg ttttgcttgt 120
 ccactactaa gggaagtagt gatccgttaa actggggagc ggcggcagag gcgatgaagg 180

ggagccacct ggacgaggtg aagcgcattg tggccgagta ccgcaagccg gtggtccggc 240
tcggcggag 249

<210> 18449
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700958492H1

<400> 18449

gtgttagatc tgtacccgcc tagcaattga tttggaaaag tccaagcttc aaagatgagg 60
tattcattct ctcatcttca acttatcttt gttcaaattt cttagtttgt tcgtacgttt 120
tattgtgaaa gcaatgttgt tgattgtttt tcgttgatag ctgatgtgta ctttgcgtgg 180
tcttactgtg tatgatgtta atgagaattg ttcggtgaaa attgtgcatt tggaaaatct 240
atgttttgtg tt 252

<210> 18450
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700958493H1

<400> 18450

ctcgagccgc tcgagccggc agtttggact ggggataaca ctgctgattg ggatcaccta 60
agagtttcta tcccaatggt tttgaccctt ggtcttactg ggatgtcatt ctctggtgct 120
gatattggtg gatTTTTTgg gaatcctgaa cctgagttat tggttcgggtg gtatcagcta 180
ggagcttact atcctttctt tagggccac gccatcacg acacaaaag acgcaccca 240
tggttgtttg gaga 254

<210> 18451
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700958494H1

<400> 18451

ctcgcaagca aaaagaaaga atcccaggcg aggagaaaga tggaggggaa ggagcaggat 60
 gtgtcggttg gagcgaacaa gttccccgag agacagccga ttgggacggc ggcgcagagc 120
 caagacgacg gcaaggacta ccaggagccg gcgccggcgc cgctggttga cccgacggag 180
 ttacgtcat ggtcgtttta cagagcaggg atagcagagt ttgtggccac ttttctgttt 240
 ctctacatca ccg 253

<210> 18452
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958495H1
 <400> 18452

tgggtagagg agaagatcga gaaggggtcg cagtagccgg gggcttcttc tggctctaca 60
 cagacgaacc ccatgccaca cgacgtcgtc agatcctctc caaataccct caaatcaaac 120
 aactctttgg ccccgaccac tctgctttct tcaagattag tggagttggt ctgcttcagc 180
 ttgtacgggt gctttacttc atgatgctgg ctggctgaag atatttttag tagcatact 239

<210> 18453
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958502H1
 <400> 18453

ttcggctcga gggaaaatcg gtacaagggtg ccatctttgt ttgttataca tgaccatggc 60
 catgcccctg tttctgatgt tccttcttct gcacatagct tgggtggcat cgtcggatct 120
 ccgacctggg ttttactcaa aaacatgtcc aaaagcggaa ctcatagtcc gagatgtgat 180
 gaagaaggcc cttatgaggg aaccagaag tgttgccctct gttatgcgct tccagttcca 240
 tgattgcttt gtcaa 255

<210> 18454
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958503H1

<400> 18454

tgcccgtaaa atacataaca ggtgagttgg acatggtata caactcgctg aacttgaagg 60
agtatatcca cggcggaggg ttcaagcaag atgtgccaaa tttagaacia gtgattgtgc 120
agaaaggagt ggctcacttc aataatcaag aagcagcaga ggaaatcgat aattacatat 180
acgattttat caacaagttc tgatcttgtc caaaaacgaa ttcaaccaga tataaagtcg 240
cag 243

<210> 18455

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700958504H1

<400> 18455

ataaaatatt atttaacaat tttaaattaa aaagaagggg aaaagcaaag aaacaaaaac 60
aaggcaaaaa cctgagttgc ggaggaaaga aacataatct ggaattcgag aagctaata 120
atcgtttgcg gttgctttgt tcctcctctc gcagatgggt aggggaggaa ggtttagcgg 180
caaacgcaat ttcaggaaaa gggttcggtc aaaggaggga ggttctgatg att 233

<210> 18456

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700958505H1

<400> 18456

ctctctcatc actacctctg catttttctc tcgctctctg ccttccatca cctcggcat 60
ttcccttccc aagatagtag aagatggcag acgctgagga tattcaacct cttgtttgtg 120
acaatggaac aggaatgggt aaggctgggt ttgctggaga tgatgcccc cgtgctgtgt 180
ttcccagcat tgtaggtcgt cctcgtcaca ctggtgtgat ggttggcatt ggccaaaaag 240
at 242

<210> 18457

<211> 241
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958506H1

 <400> 18457

 ctctctctct ctcttgatc gtggcaaagt aaaagtctct ccctcacggg acagtgggtt 60
 tagctgagct ctctctcact gcaatgcaat ctctctctgg atttgtcctt ttcttctctt 120
 gagcgataat ggcgaaagag cttctctctgc aacttcgtct gctgcttctt cttcccgaac 180
 aacgggtgtcg atttgcacct cctctgccaa tgctcaacaa cttcgcatte tccgctttgt 240
 g 241

<210> 18458
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958509H1

 <400> 18458

 atcggaaacag cgatggggttg tgtaattgct cctctcacat tctggatgtt ttggactgcc 60
 tttgatattg gctcacctga tggcccttac aaagcaccat acgctgttat attcagggaa 120
 atggccatac ttggtgttca gggattctca gagcttccga agtactgcct ggaaatgtgt 180
 ggtgggtttct ttttggcagc cttagttatc aaccttctaa gggatgtcac tcctaaga 238

<210> 18459
 <211> 237
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958511H1

 <400> 18459

 gatttttctt tcccttttct ccataaacga ggtgcttcag atttgctcat aataggaggg 60
 aatcgaatcg aatcgaatcg aaaggaaagt gcagaatgga tgacatgccg ttgccggcgc 120
 tctttgagca agcctgcaag atccacgccg cagccaccga ttccggcgcc gaccaggagg 180
 ttgtgaagaa ggggtgagag gctctgcata gatgcgagga catggtcaat aatctag 237

<210> 18460
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958515H1

 <400> 18460

 ccagtgcac aaattcaaag atcagcatcc ccataattga cctcacagtc atccatgatg 60
 atcctatattt gagagatcat gttgtgggaa aagttagata tgcattgtgag aagtggggct 120
 tctttcagat tatagcccca agcggcatat gaggtggata tcctttggta tatagttgag 180
 gttaatttca ctgccactgc ctacaaatcg accaaatagc attgaccctg cattgaaa 238

<210> 18461
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958478H1

 <400> 18461

 aaccaaactt gccaaagtct tttatttccg taattttggaa atatctatgt agttgggttc 60
 ttaatttaat taaaggtgga atgaaaactc tccctcacac gtcacaactt tgtatgatag 120
 ctcaagggtt gtatcttctg gtcataaat ttcaagggtg tctgcttcag catgataagg 180
 gaacaaggaa acacactgta catggcttag cgttctacgc tggatttcac ccggaagaag 240
 tttgataga acaagttc 258

<210> 18462
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958517H1

 <400> 18462

 tacaaagcaa gacgcaagcc actcatgaac atcaaagggtt atgtactcgc gagcccagct 60
 gttgacgggt ttcgagagca gaacatgaaa gttttatatg cataccaaag gagtcttata 120
 ccagaagcgc tctacaagtc aatgaaagaa aattgtaacg gggattatat aaacattgat 180

ccagaaaaca caaagtgtgt ctcagattat agtggttatg ttgagcttgt tcgttacata 240

aacg

244

<210> 18463
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700958445H1

<400> 18463

aaaacttttc ctctcttgg taagcataaa aataggaccg ggaaggaaaa aagtggctctc 60

acttaaattc tcaattttgt ctaaattgga caaaaaaaaa agaagaacca caacttaact 120

tcttgatgg attataaagc aaatgcgaag gaaacaaaaa gaatgagaag attgcatcta 180

aaatgacaac atcatccatc tcttacacgt ttattgtgca agaatgagaa tgagaatgaa 240

acaaaaagaa attcgaagat a 261

<210> 18464
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700958446H1

<400> 18464

acttggtccc ataccctaga atccatttca tgctttctc ctatgcacca gttatctctg 60

ctgagaaggc ctaccatgaa cagctctcag tggcagaaat taccaacagt gcttttgagc 120

catcgccat gatggccaag tgtgatctc gtcacggaaa gtacatggcg tgttgcctga 180

tgtaccgtgg tgatgttgtg cccaagatg taaacgctgc tgttgccacc atcaagacca 240

agaggaccat tcagtttgtg ga 262

<210> 18465
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700958447H1

<400> 18465

002220"ETT.E660

agaatatgca aagcttccac cagggcctcg tccatttcct atcataggaa acatcttgga 60
 acttggcaca aatccacaca tagcactcag cgaattctca aagatttatg gacctcttat 120
 gacttttaaa cttggcagaa taaccacat agttatctcc tctcctcaag tagccaaaga 180
 agtactactt gaaaatgggc aagtcctttc tagcagaaca attccacatt cagtc 235

<210> 18466
 <211> 197
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958449H1

<400> 18466

taaaaactga tattcagcaa cgatatgggt ttcgtgtgta ctatctgtct gctcagatcc 60
 cacagatctg catcttctta ttcttccttt ccataattgtg tgtgtgaatt agaattctgc 120
 aagatcagat ctctctctgc gagtacatca gatctccgat gtctcagtc tgcgctcagg 180
 tgggtccactt cgacaac 197

<210> 18467
 <211> 169
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958451H1

<400> 18467

caaaattaag taccataatt tcccttaatt tagatgattt tcaatccatt gaggttgagc 60
 tgccaaaatt aaggatatat attatattgt ttaaataatt gatgtaaaat ctttttggtta 120
 catgtatgtg gatatgaaag gaagattgaa gacttcaatc tcttttgtc 169

<210> 18468
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958452H1

<400> 18468

tgcaggcggt tcgctacgac gcctacgggg gaggtcctgc cggcctcaag cacgttgaag 60

0958449H1-03200

ttgccgttcc cagtccaaag gcaaattgagg ttttaatacaa actggaagca gtttagcatta 120
accctattga ttggaagatt cagaaggggc ttctccgtcc tttattttctc cccagaacct 180
ttccccacat accttgcaact gatgtggctg tagaaatagt tgagatcgga actcaagtca 240
aagatttcaa agtt 254

<210> 18469
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700958453H1

<400> 18469

ctcgagccgg gaccttttca tgaatgggtc aaagttcgtc acttcagggt caccatcaa 60
gatgacatac aaaaaggggc tcatcatgaa gccaaagat ggaactcatg tcagcagggt 120
gacacgacat gctgggtgcc taaactgctt cgttggcaag ccttggttaga gaacaacaaa 180
cattaatgtt gttgttggtg ttctgttttt cttttttttt ttggaaagaa aaaaaaaccc 240
acattgccca gaa 253

<210> 18470
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700958455H1

<400> 18470

agtaaattaa ctatgaagcc taccctacta ttatcccttt ccttctgcc tctctttgct 60
ttcttggtc tttcagaaga tggtgaacaa gttgtggaca taagtggcaa cccattttc 120
ccaggtggca catattacat tatgccatca acttggggcg ctgccggtgg tggattgaaa 180
ctaggccgga caggaaactc aaactgccca gttactgttt tgcaagatta ctcagaaatc 240
ttccgtggca caccagt 257

<210> 18471
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700958456H1

<400> 18471

cccaccatta ctcagcactg ccattcttca atcacactac tggctgtcac cttctcagat 60
 cttcacaccg aagagggcat caaatccctc gatcaattcc tttctgggaa aacctatata 120
 tctgggggatc aattgacaaa ggatgatata aaagtgtatg cagctgttgt ggaaaagcca 180
 ggagactctt ttcctaatac tgctaagtgg tacgatgccg tctcttctca acttgctcca 240
 agcttccctg ggcacg 256

<210> 18472
 <211> 192
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958457H1

<400> 18472

ctgcaattta gcttggcgtc ccattgccatg atcgtctttg atttacaatt caatttcttt 60
 gcaccacaga tcaattgatt ttaacactgt ttgacattgt aaatattact actcaaatga 120
 ttccgagtgc aattcaaaac tcaagcctta aacataaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaggggg gg 192

<210> 18473
 <211> 257
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700958458H1

<400> 18473

gaatcggtgg acgggcgctc cgcggccat gtggatccag tggagctgcg gcgcatcgta 60
 caccttcagc atctactcct ccgtgctcaa gtccacgcag ggctacgacc aatccacgct 120
 cgacaccgtc cctgtcttca aggacatcgg cgccaacttc ggcgttctct ccggcctcct 180
 ctactccgce gtcgccccct acacaacca ccgctcgtnn nctccaagt ccatatggac 240
 ctctctcac gggccct 257

<210> 18474
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958459H1

 <400> 18474

 atttatcttt ttatttttagc aaagctaaac tattgtttct cgggaaattt aagataattc 60
 aattggataa catgaacgaa aatctcaatt ttgtgctgtt gtcggagtga ctcaggaaaa 120
 tgcaatgcac gattccaaca gcattgttta tgatacatTT tctgttgtcc aaggTTaatt 180
 ttcagttttg gttttttggg cggctccaat ggcaacctct caaatcactg catcattgag 240
 gaacttgcct gcatt 255

<210> 18475
 <211> 230
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958460H1

 <400> 18475

 cacatccctt gatttccttc cttcaccgca cccacttata tctcttacct tagttttcca 60
 atgcagaaag caggggtacgg tggcgatgga atatacaggt ctctaaggcc ttgtttggtt 120
 ctcccaaagt accccaacct ctccctcgtc tcattcctct tccaaagcgt ttcctctttc 180
 ccatccaaaa tcgccctcgt cgattcccac tcttcccaaa cacttacctt 230

<210> 18476
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958462H1

 <400> 18476

 cctcgagccg attcggctcg aggaggagtT gagtgaacga gtcgacgagt ggacaaagaa 60
 tatgaatacg acgatgatga gtgcattaaa catctatggc tatgtcgttg cggctgttgt 120
 tgtgttcctt atattattgc tttggcagcg gaacagattt ttcttcgctt catctccgtc 180
 gtctccatcc gcttccttac tgctttccga ttctatcaat tcaaactcaa gctccagatg 240

cagaacctca aatTTTgtga

260

<210> 18477
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700958463H1

<400> 18477

cggTgagTtc ccaggcgact acggctggga cactgctggg ctttccgcag accagaaac 60
cttcgccaag aaccgtgaac tcgaagtgat ccactccagg tgggccatgc tcggagcctt 120
gggctgcgtc ttcccggagt tgctgtcccg caacggggTg aagttcggag aagccgtgtg 180
gttcaaggcc gggTcccaga tcttcagcga ggtgtgctca ctactTgggc aaccaaggcc 240
tgatccacgc ccagagcatc 260

<210> 18478
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700958464H1

<400> 18478

cgaacatcaa gtttcagacc agagccccaT tcagcaaatt caagcagtac tagtaccaat 60
aggcaactaa attccccTtt ccaaccctaa tttttcttct taattaattc catttaagtc 120
ctttaatatg cagacctca cccaccgta ccccaaact ctcaactatc tcacgcgggc 180
gcgtcactcg gtcattacgg tcgtccgac ccgtttcaca gtcaaatgcg gtacaggctt 240
cgaatccgcg agtttctcgc agg 263

<210> 18479
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700958465H1

<400> 18479

aaaaacttta ggaaatcaca tgaagagaga gaagatggct tgtgtttacc caggacagct 60

tctcttggtg tgtctgatâc tgagcgtggt tccaatagca gtttccgcag gcaatgacgc 120
 agcaccctg accaaccatg ggggacgctt gctgactgga aagttgaacg ttggcatctt 180
 atggtacggc ccaattccaa aggcccaaaa gaaagcgatt ttgtccttct tcaggtccct 240
 gaacatgaa 249

<210> 18480
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958466H1
 <400> 18480

aagaaccatg ccaaatagaa gcatgcctgc ctcaccttat cccacaccag gtgcccttct 60
 aatgggagat gccttcaata tgcgtcacc ttaaccgga ggaggaatga ctgtggcttt 120
 atctgacatt gttgtgctaa gggacttact taaaccctt catgatctcc atgatgcttc 180
 tgctctttgc agataccttg aatcattcta caccctacgc aagcctgtag catctacaat 240
 aaacacacta g 251

<210> 18481
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958467H1
 <400> 18481

cgctcgagcc gattcggccc agcaattgga acgaggggaag tgttcacgcc atgggaatgg 60
 agcgagtgca gtgtgcctat gcctctctgg acgaagcggt cgaaataggg aaagaggcgt 120
 atcaggggca gcagtacagc cagatttact tcgcgcgcct tcatttgctg cgaacacttt 180
 tatattccct cgttctctcat tggaggccca attttcccgt gtgcacagtg ctgggattgg 240
 aagaagggaa 250

<210> 18482
 <211> 173
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958470H1

<400> 18482

cttatgtatt acatggataa gattaccaa ataataggtcc ctccaggttt cagcagtctg 60
 caaagtaaga aaataggcat aattagttag aattttgaaa tgaagtgtgt gactattaaa 120
 aacttctgtt caaaactgca gaaatttatt ctcatgacag tctatacaac ata 173

<210> 18483

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700958471H1

<400> 18483

aaacaaccaa accacacact tcacaccctc ttcaacatcc tcagcaagta caagaacaag 60
 aagaaacaat gtcttgctcc aatctcacia tggttggtgc ctcaaaacct tccctttccg 120
 atccctcaa tctctccttc cgctctgtcc tcaacccttt tcagttccct tcacaaaacc 180
 caatttcag cactccttca cgctcctaag acaccaatt tcagtgtggt ctgagagatc 240
 tcagcccccg 250

<210> 18484

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700958472H1

<400> 18484

ctgacttgta caagaattct gatctatata ggagacacaa gcagcttata caagaactgg 60
 gtcagcccg tcccggttca aaggatcttt atttccctac tcaatactct ctgtcattct 120
 tgggtccaatg ccaagcttgc ttatggaagc aacgttggtc atattggcgt aatccaccat 180
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 gggacctcgg aag 253

<210> 18485

<211> 252

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700958473H1
 <400> 18485

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 ccgtacaaag caaactgctc gtaagtcaac tggaggaaaa gctcccagga agcagcttgc 120
 aaccaaggct gcacgtaagt ctgcaccaac aactggtggt gtgaagaagc ctcatcgtaa 180
 tcgccctgga actgttgctc ttctgtgagat taggaaatac cagaagagca ctgagctcct 240
 aatcaggaag tt 252

<210> 18486
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958475H1
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 aaaacagtga aggtctcaag taaaagaaat gtttttggca ccaaggggga aatgggtata 120
 gatttcatgg ttttggtggt atcagtgtca tggttttggt tgactagtat atgtgtctct 180
 gctacaaaac aagcataccc gccaacacca caaccgaacc agaacttaag gtttgaccaa 240
 aatggagaat tc 252

<210> 18487
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958477H1
 <400> 18487

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 gtgttgtag ttctgcattt gctgtttaa tttgaggaat cgggtgttata ccaagacaga 180
 aagagggaaa cttagataaa aataagagct ttctggggag catagacact tcacatacat 240

255

<400>	18488
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cgtatccaat	tgcgctaaat	cctttatcct	ctccacgctc	ccaaagtcca	agcaaatgtc	120
cogtcaagct	cccggcgctg	tcaaaacgcg	cctgatgggc	gtcgttttcg	acatggacgg	180
caccctgacc	gtccccgtga	tcgattttcc	ggcgatgtat	atggcgatgc	tgggcgacga	240
cgcataacctg						250

<400> 18489

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gaagggtggcg	gtggatggag	ctccttatct	aagaacagtg	gatcttgaaa	tgtacgagac	180
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<400> 18490

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 tttttaggag aacctctttt tctaggacca caaaagacca tcatcatttt cctctaacca 180
 tcttaggcca cgaccgtata ttctggttcg gggatctgaa ctataggcta tacttgaggg 240
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958416H1
 <400> 18491

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 agtcactcag taatctactc cttttctaga tcttgcacgc tgggaaacca acaaaaattc 180
 tt 182

<210> 18492
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958417H1
 <400> 18492

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 cataactttt ggtgattctg ctgtggatgt agggaacaat gactatcttc ccaccctttt 180
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<210> 18493
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958418H1

002220"032200

<400> 18493
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 attgcctcgt gtcttttttc ttctttgctc tccaaaaatc tcacacacac aggtatctag 180
 caaatggggt ctcaccaaca agaaccatgg ctcatggag aatgggaaac caagggtttt 240
 gaccaaggag accagg 256

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 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958419H1

<400> 18494
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 ggaaggaatt cccccggatc agcaacgtct catcttcgcc ggaaagcagc tcgaggacgg 180
 ccgtaccctc gccgactaca acatccagaa ggagtcaacc cttcaccttg tccttcgtct 240
 ccgtggtggc 250

<210> 18495
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958420H1

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 accgatctcg tggctttggg ttatcacat ttgaatctga agaagcagtt gatgatcttc 180
 tgtccatggg gaacaaaatt gactttgctg gagctcaggt ggaaatcaag aaggctgaac 240
 caaagaagcc gcactca 257

<210> 18496
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958422H1

<400> 18496

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 tgggtgggatt gcagtctatt ggggtcaaaa cggcaatgaa ggctccttgg aagaagcttg 180
 caactctgac aactaccaat atgtgaacat aggtttcttg aacgtttttg gcaacaacca 240
 aatcccacaa ctaaaccctt 259

<210> 18497
 <211> 263
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700958424H1

<400> 18497

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 tctcgtacga cagcgccac gcggacaagg ccgccacgtt gcgccccgag gaggagctga 180
 tgtccatgta cgagcagtgg ctcgtgaagc acgggaaggt gtacaacgcg ctcggcgaga 240
 aggagaagcg cttccagatc ttc 263

<210> 18498
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958425H1

<400> 18498

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 gaagagctcc atttgttgca ctccaattgg aaaaaagaag tgaacttgcg atctgggtat 120

003200 "CTTCTT" 032000

ccaatttttg aactctttcg atggggaatg atgcagggtc accgcagggt ccggttacgt 180
 gtgggtcgtg gattcggagg cccgagaatt agaatttggt ggtggtggga aggtccagac 240
 gtggcagttc ttgtccttct 260

<210> 18499
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958426H1
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 attgtcagag gaggcattgtg tttagaggaca ttgatgtgga tttggtggtg ggagaggagg 180
 aacagaagaa gcatgaggag gtagtgggtg gagaggacga agagaaagct agagttagca 240
 tatgtattcc tccaaga 258

<210> 18500
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958427H1
 <400> 18500

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 ataaaaggct tagaaagatt gaatctctca cacaatagtc tttcaggtgg tctctctagc 180
 ttggatgata tgataagtct gacatctttt gatatatcat acaatcagtt tgagggtcca 240
 cttccaaaca ttctagccct c 261

<210> 18501
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958428H1

<400> 18501
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tatcggtcaa cgcgcagggg gggttagtga accagtttcc gattttgatc aagtggctag 120
gactggctgg ggagggttta cacaagcagc tcgcggagga gatcaggacc gttgttaagg 180
acgaaggagg ggtgagtctc cgggcgttgg atcagatgac tttgaccaa tcagtgggtg 240
atgaagtcct gaggatag 258

<210> 18502
<211> 263
<212> DNA
<213> Glycine max
<223> Clone ID: 700958429H1

<400> 18502
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tctggagttc actccgacgt gggttgtggc cgccgtttgc acagtcacgc tcgccatata 120
tctcgctgct gagcgctcc ttcattatgg cgaaaagttt ctcaaagcca aggaccagaa 180
gtcgtcttac gaagctctcc agaagatcaa agaagagctg atgcttctgg gcttcatttc 240
cctgcttctc acggttacac aaa 263

<210> 18503
<211> 264
<212> DNA
<213> Glycine max
<223> Clone ID: 700958430H1

<400> 18503
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attcagcgtt tctgcaaatt ccaattttcc aaaataaaaa acaaaaacgg gcgtttgaaa 120
aaaagctggtt attaatcgg gagcgatatg gaggtcgtac tcaaagagtt gcacgccgat 180
cttcaatctc tgagccaatc gttcccgat ccattctacc atgatttgct ccgcaagatt 240
caattgcgtg ttgaggacct tgcg 264

<210> 18504

<211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958431H1

<400> 18504

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 ctatttttaa ctttggtgac tctataagtg atactggaaa tgctgctcat aaccacccac 180
 ctatgcctgg caatagtcct tatggttcaa catactttaa acatccttct ggacgtatgt 240
 caatggacga ctaatcatag atttt 265

<210> 18505
 <211> 260
 <212> DNA
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<223> Clone ID: 700958433H1

<400> 18505

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 cacctttcca cctctctctt ctttccaact ccaactcttt ctccctctg cccttctttc 180
 ctttccaaat taccaaagtc cccctctccc ctcatgttt tatgccacag ggacgcctca 240
 gcttcgaagc aaggtcacct 260

<210> 18506
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958435H1

<400> 18506

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 aattcgaagt tccaatagat gacttgcaaa catatgctct tcttaaagat gttttccttc 180

005311-03200

ccatcaatcc acgcttctcc tccatgctgg tccaagataa agatggagag aaaagatgga 240
agcaagttga tgtaaa 256

<210> 18507
<211> 208
<212> DNA
<213> Glycine max

<223> Clone ID: 700958436H1

<400> 18507

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gctaagactg ttggtggagg tgatgatgct ttcaaacacct tcttcagtga aactggggct 120
ggaaagcacg tgcctcgtgc gatttttcta gatctcgagc ctactgtgat tgatgaagtt 180
aggactggga cataccgccca actatttc 208

<210> 18508
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700958438H1

<400> 18508

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gttgagaagc tactttggat ggcaattgtg tgcttggtgc tgggtgtaat ttccattact 120
cccaaggccc aagcagcagt gacatgcaac cagggtggtga gcaacctcac cccatgcatt 180
tcctatgtgc tcaatggtgg caaaaccgtg cctggccctt gctgcaatgg gatcaagacc 240
ctctttaacc tcgct 255

<210> 18509
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700958439H1

<400> 18509

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ggcacggttc actgggattt cttcccagga agcgtgctgc tcgtcacagg ggaaaagtga 120
 aggcatcccc caaggatgac ccatccaagg cacccaagct cactgcattc ttgggttaca 180
 aggccggtat gactcacatt gttagagagg tcgcaagcca ggatcaaagc ttcacaagaa 240
 ggacacttgt gagc 254

<210> 18510
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958440H1

<400> 18510

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 ttgtccctaa tctttctctc acattccaat tcaaacaact tccctcaata cagcggagac 180
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 cggcctctcg gaagcccag 259

<210> 18511
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958441H1

<400> 18511

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 attctaagat tgtctctttc tctcattcat gtcccaactg tacgacggag gacaggttgc 180
 gtaactgcc acaacccttc gccgcacggt gggcgtgggt ctttgccttc tgaaggtggt 240
 agcccatcag acttgct 257

<210> 18512
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958443H1

<400> 18512

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gacatttttg aaccctggat catgggatgc tgcacttctt gctgctggga ctacactatc 120
tgcatgaag catttactga atggggatgg aaaagtttcc tatgcattgg ttaggcccc 180
tggtcaccat gctcagcctt ctcaggccga tggctactgt ttccttaaca atgcaggtct 240
agctgtgcaa ttggctt 257

<210> 18513

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700958413H1

<400> 18513

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gtggaatcct tatcgtctc cgaccctgag atcccccaat catccaatcc caatccaact 120
catctgttga ccccgatga gaagtttcaa attgtgagga gcgtcggaga agagtgcatt 180
caggaagacg aactccttaa cctcctcacc aaaaagcccg aaccggtttg ctacgatggc 240
ttcgaaccct ccggacgaat gc 262

<210> 18514

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700958374H1

<400> 18514

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cttctgtgcc tgctggctct tggtgcaacc attattccaa tggcacaagg ggaagtgtca 180
tgtggccaag ttgtgagtaa cctgacccca tgcattctct atgtgctata tgggtg 236

<210> 18515

<211> 243
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958379H1

 <400> 18518

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 gcagagccaa gacgacggca atgactacca agagccggcg ccggcgccac tggttgacct 180
 gacggagttt acgtcatggt ccttttacag agcagggata gcagagtttg tggccacttt 240
 tct 243

<210> 18519
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958381H1

 <400> 18519

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 acttttcagg tgctcatatt cttatgatga tcatcaaact gcaaataatag tgagccatt 180
 aagctattac tgaaatttgt tgcagatttg aaattcttct aagatggata cttcttatag 240
 gactggtgga gtcaagta 258

<210> 18520
 <211> 243
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958382H1

 <400> 18520

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 tggtaatgac tttggaggct gtggccttga aaacaaaaga gaatagagaa aagttgtata 120
 attgctgtga tggacccta aatagtagtt tcaaaaatga aaatacacca aatcaaagtc 180

cattttgcag tccgggttca gctcagcaag taggtcatca ttttgaaaat gaaaatgaag 240
 gtc 243

<210> 18521
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958383H1

<400> 18521

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 cagataccat agataatgta aagtccaaga ttcaagacaa ggaagggatc ccaccagacc 180
 agcaacgtct catttttgct ggcaagcagc ttgaggatgg acgtacactt gctgattac 239

<210> 18522
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958384H1

<400> 18522

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 caactccgtt tcttcgcctg ctccatctac tctgcagcat ttgaaggaga tagcgtctct 180
 tatcgagacc ggttcgtact cgaaggaagt tcgtagaatt gctcgcgctg ttcgcctta 239

<210> 18523
 <211> 63
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958386H1

<400> 18523

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 gat 63

002220" E.T.F.E.S.60

<210> 18524
 <211> 237
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958388H1

 <400> 18524

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 agagagtgaa agcctcaagt ccatattgac aggagctgct ccgagtaaac ttggaaggat 180
 tgcttttagtg gatgccctgg cacaccagat tcagaatcgt atgaagcttc ggcttcc 237

<210> 18525
 <211> 234
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958389H1

 <400> 18525

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 gatcgagcta ttgattcaga agaagctcag cacaagact tccttcgcct agaacatctt 180
 gaagggtatc atgagctgtc tgcaaagata aagattttct tttccactgc tggt 234

<210> 18526
 <211> 129
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958390H1

 <400> 18526

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 agctttcat 129

<210> 18527

<211> 233
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958393H1

 <400> 18527

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 aataatggcc ttaaattaca acattgccct cgccttctct acggttctca cgctgcttct 120
 ccttcctta ccaacccttg gggagctcgt gcaggagcag ccaactagtc tcaagtacca 180
 caacggccaa ctctgaagg ggcgcacac cgtaatctc atctggtacg gca 233

<210> 18528
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958395H1

 <400> 18528

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 gacgatgacg gccacgcacc gccgccgtct ccagcgggtg tgaaacactc gttggagccg 180
 ctgaacacga ggcgcagagg cgaagaggac gatggattga tccatcatga cagcgattcg 240
 gag 243

<210> 18529
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958396H1

 <400> 18529

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 caagagacgc ggcgatctc agcaatccat tcagctcgtc ggctttccta gccgaaccta 180
 tgcgcacgac gctctctacc aagcctcaca ggatcagcag ggctgatac cttggaatgg 240

ggcctcaagc acgttgaagt tgccgttccc agtccaaagg caaatgaggt tttaatcaaa 120
 ctggaagcag ttagcattaa ccctattgat tggaagattc agaagggctc tctccgtcct 180
 ttatttctcc ccagaacctt tccccacata ccttgactg atgtggctgg agaaatagtt 240
 gagatcggaa ctcaagtcaa ag 262

<210> 18539
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 <213> Glycine max
 <223> Clone ID: 700958411H1
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 ttaccaccaa ggctgtcttg cgaaaaagtc atctgggtgct aaattgaggc atcacttttc 180
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<210> 18540
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958371H1
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 agttgaatgg taggatcccc aatcacccaa caagatcagg tgtgattgaa ggaaaaaggg 180
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<210> 18541
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958412H1

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 gaacagcaat gttctgataa agttcctaaa ggtgcatcag ttactcaatc cagaacagga 180
 agcagtgttt cagattctcc gcgtactgca tctctagata ataaagtgac aaaacatgaa 240
 agccccaag aagtaattga gga 263

<210> 18542
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 <213> Glycine max

<223> Clone ID: 700958331H1

<400> 18542
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 ttctactct tccaaagact ttagaacgtg ttatcagcca agagaaattt gagaaatcta 180
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 cagactcta 249

<210> 18543
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958332H1

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 catccactcc aaagcttcta ctaagggaga tgggtggagca gtggaattgg gtggtgatca 180
 aacagagctt atatttttgg ggactggaac cagtgaagggt gttccacgtg tcagcggctt 240
 gactaaccct tt 252

<210> 18544

<211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958334H1

 <400> 18544

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 caccaccgcc acctcgatta ccgaaccttc tagattcttc gacgcaacca cccccgccac 180
 gtcacgcgc tcccccaagc gatccctccc cctcgacgac gaatctcaga cggaccaaac 240
 ggcgtcgtcg ga 252

<210> 18545
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958336H1

 <400> 18545

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 gaatcaaagt gagcctctct gatcccttac acctaccact ccatcacaga gcgccatgat 180
 gatgatgtag cagatgagct tgctgcttcc gtcccagtca tcgacttgtc tctcctcact 240
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<210> 18546
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958339H1

 <400> 18546

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 cagcttgcaa tcaccttcac ttggttccca gtttagttca tcctctaaag tcaaccctct 180

tcataaatca cactctttcc accacacgca ctctgcctga tggcattcac cgaaggttct 240

ct 242

<210> 18547

<211> 117

<212> DNA

<213> Glycine max

<223> Clone ID: 700958340H1

<400> 18547

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aagcgtaggg aggaacaggc actcgtggac ccttacgttg agcggttttc aacgcat 117

<210> 18548

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700958341H1

<400> 18548

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caagaacaat ttcagtaacg tcgccgtcgg tggcggcgac ggcgatgcca ccatcacgat 180

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<210> 18549

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700958342H1

<400> 18549

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aaccaaacca atcttttaat tcaaagctcg catttccgga gacgccgtcg attcggcaac 120

gccggcgggc cctcctacac cactacccat ggccgccgca gttaaagcga agtcctcgac 180

ggcgacgaag ctctcgctcg ccgtgagcgt cgttgttctg gccatcgcct acattttacgt 240

09544-03200

<210> 18550
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958346H1

 <400> 18550

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 gaatcagtga acgaggggca ccttgacaag ctctgtgacc agatctccga tgctgtgctc 180
 gatgcatgct tggagcagga ccttgacatc aagggtgcct gtgagacctg caccaagacc 240
 aa 242

<210> 18551
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958348H1

 <400> 18551

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 gcttcttcca tttctcaact tgggtgcggt ctttctcccc tcatgtcgtg tgctgtattg 180
 gccctaatag ttccagctat gtatgagctg cattttgctg ttcccatgct aggggctgtt 240
 ctctgcacgc taaat 255

<210> 18552
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958349H1

 <400> 18552

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gattttttcc taaataagtg aaagtgtagt tacacctttt tttgtgtgtt taccactttt 180
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cggttgagtc 250

<210> 18553
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<212> DNA
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<223> Clone ID: 700958350H1
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aacatac 67

<210> 18554
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<212> DNA
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<223> Clone ID: 700958352H1
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ggccattaga agctttagaa attttctaata tgagttgggtg tatagtgttg aaggggggtga 180
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<210> 18555
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ctaacaatcc aagatgaata ccaacaacga caccgaaaaa aaccaatcat ttccagaagc 120

0958353-03200